

Fig. 77A

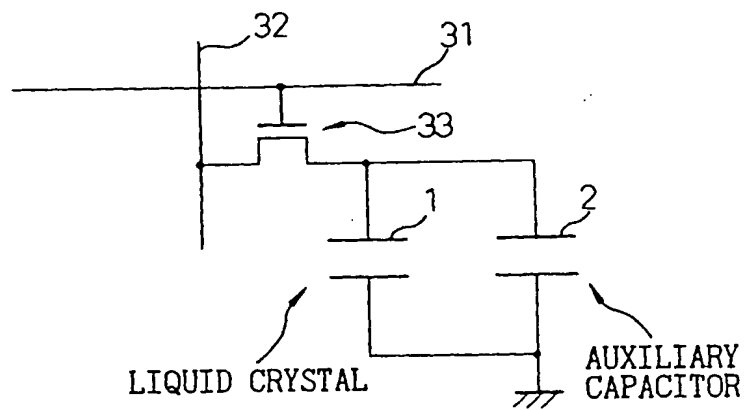


Fig.77B

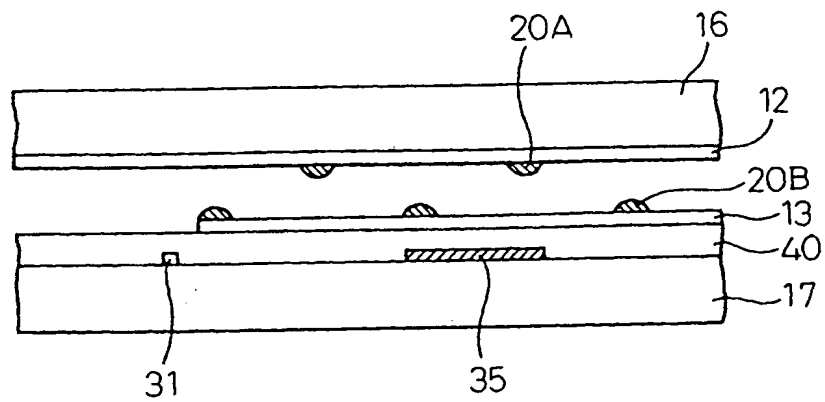


Fig.78A

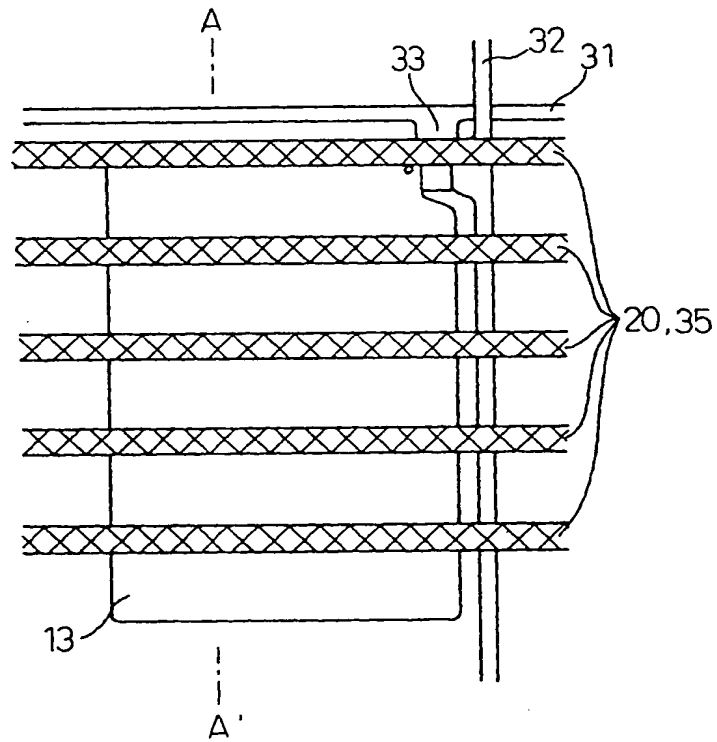


Fig.78B

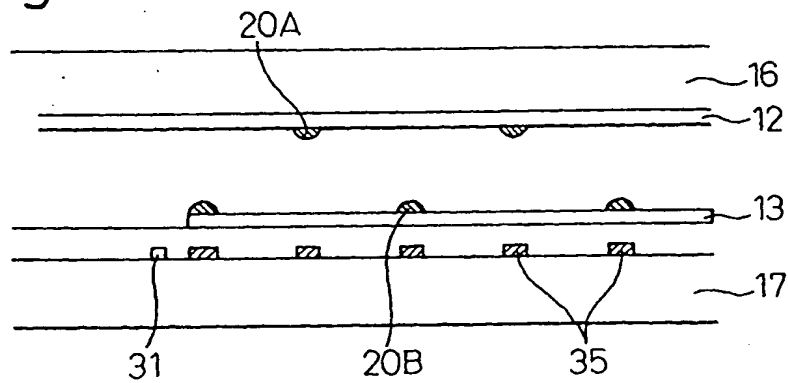


Fig.79A

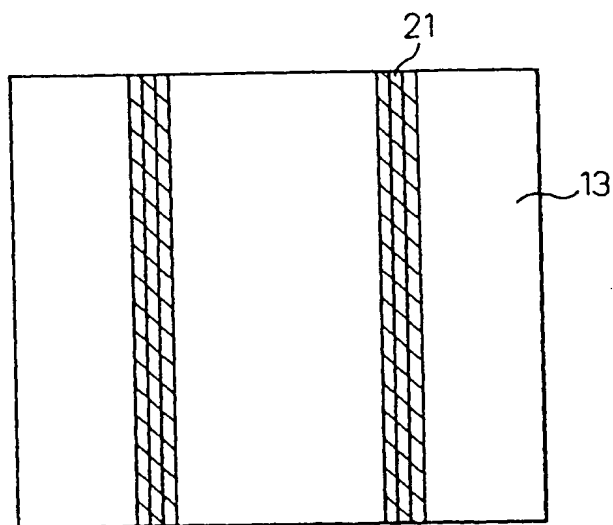


Fig.79B

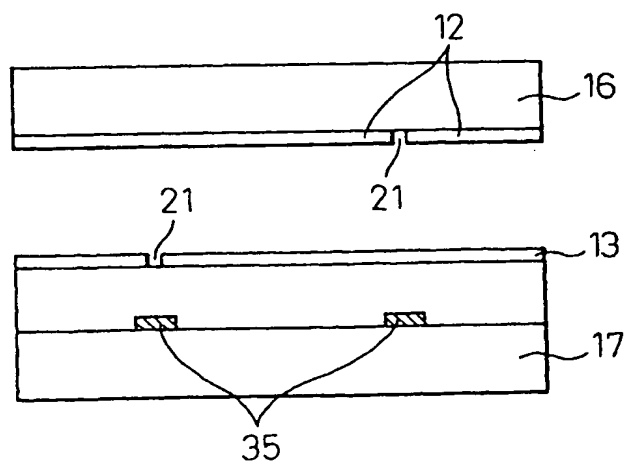


Fig.80A

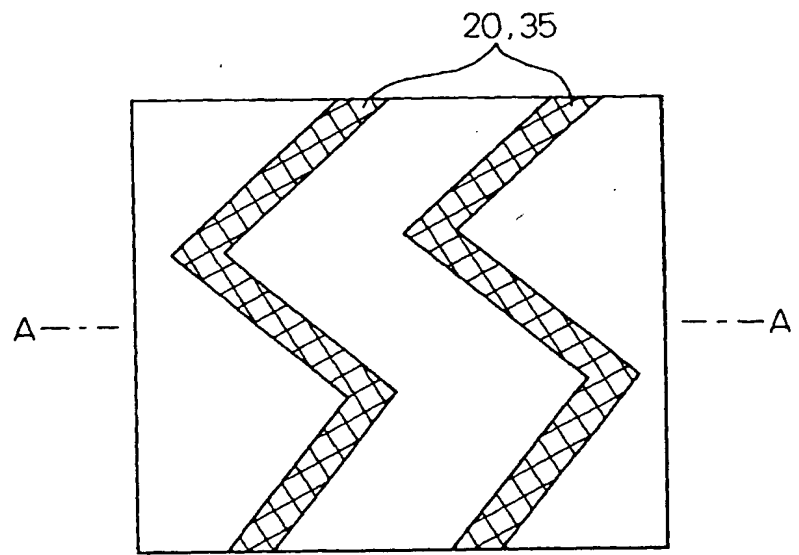


Fig.80B

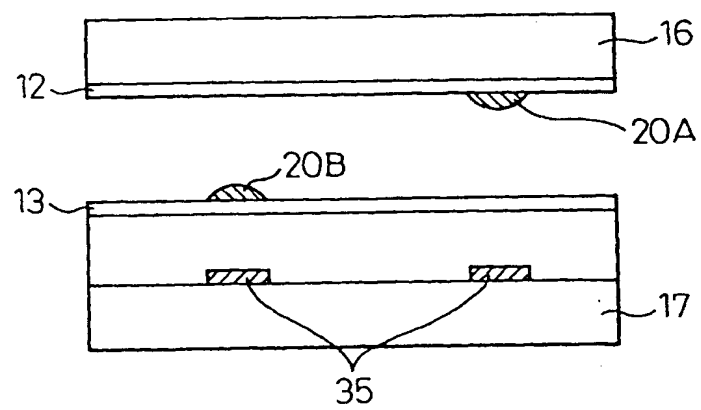


Fig.81A

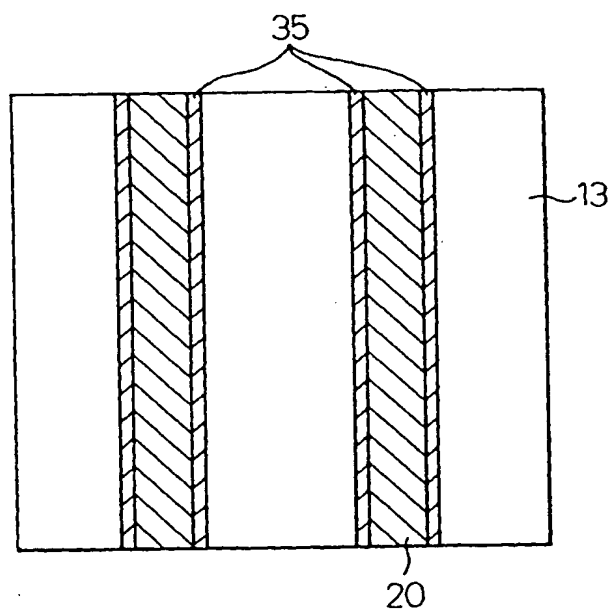


Fig.81B

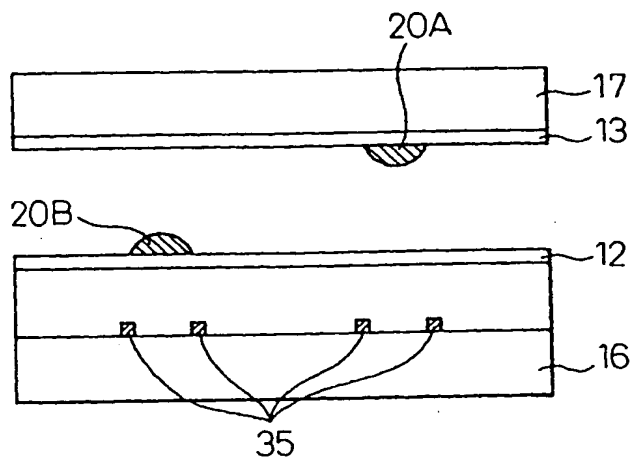
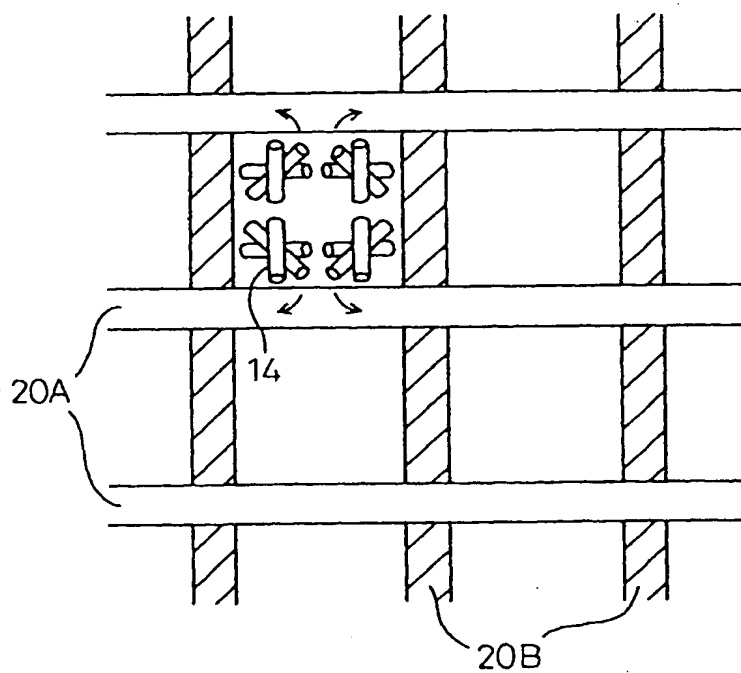


Fig. 82



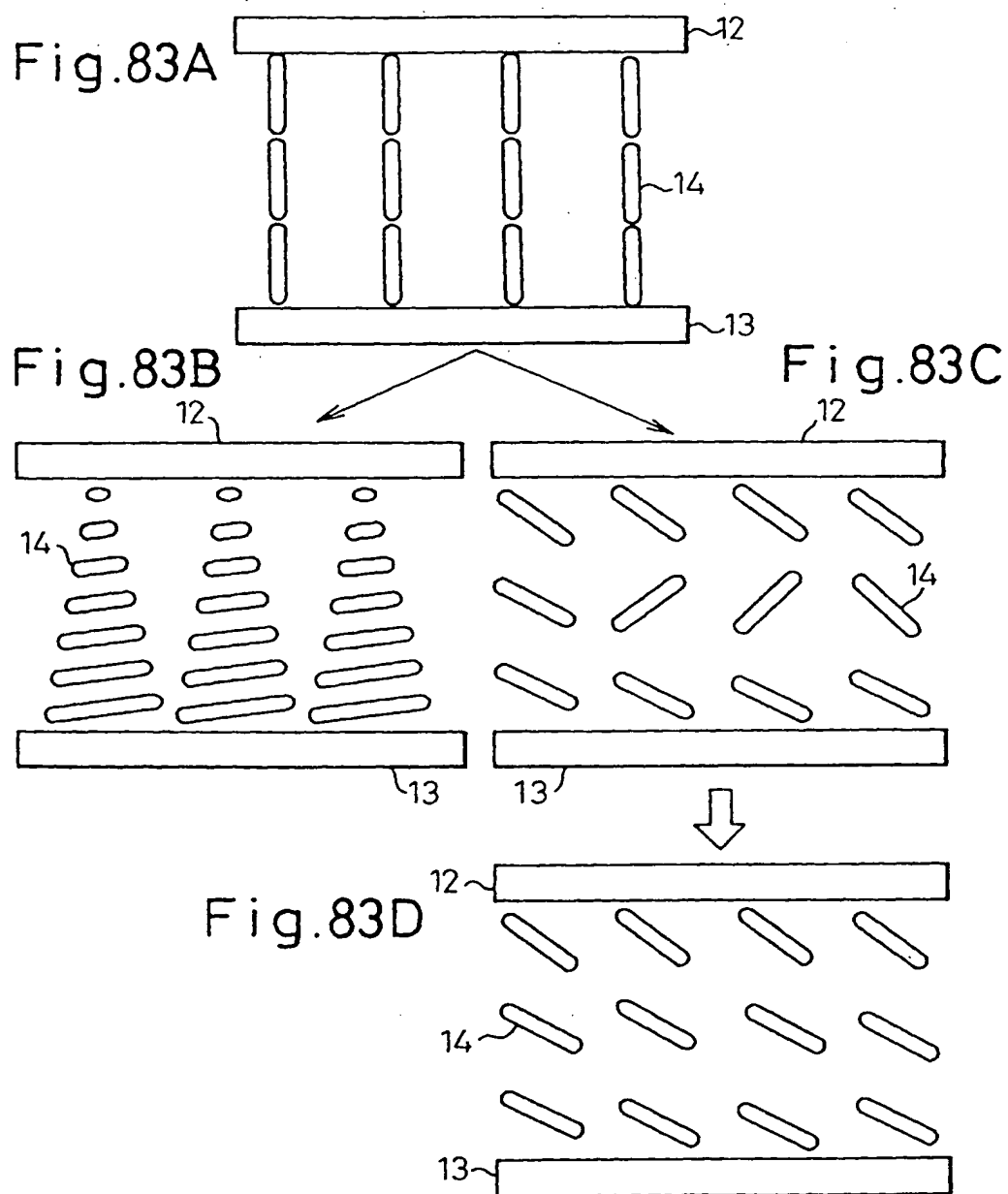


Fig.84

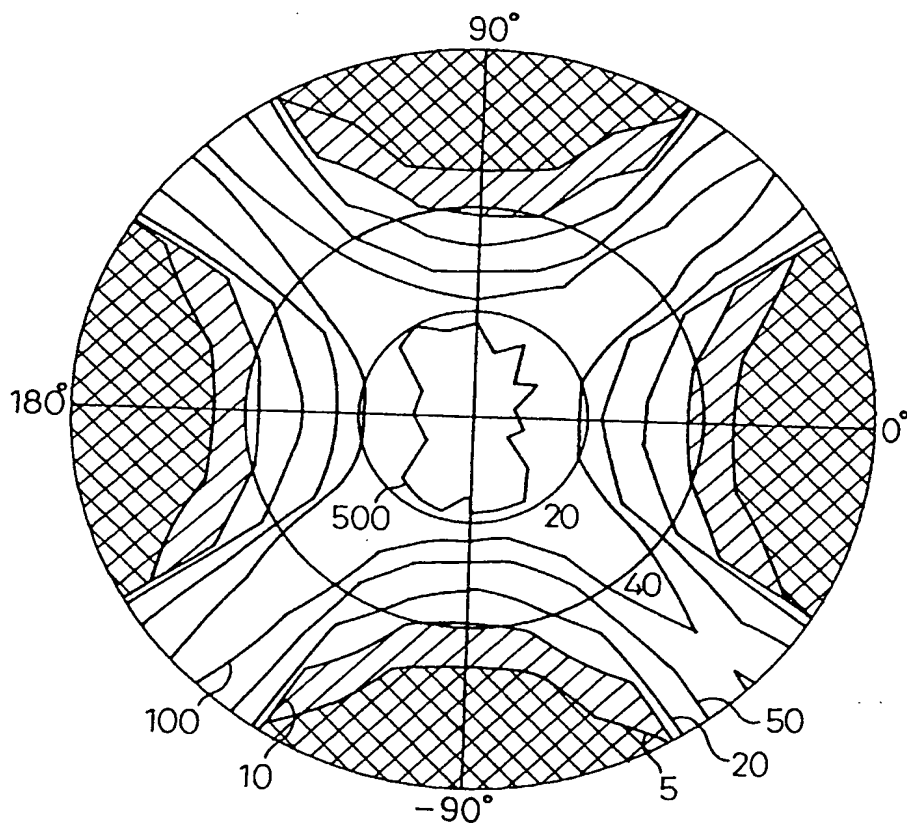


Fig. 85A

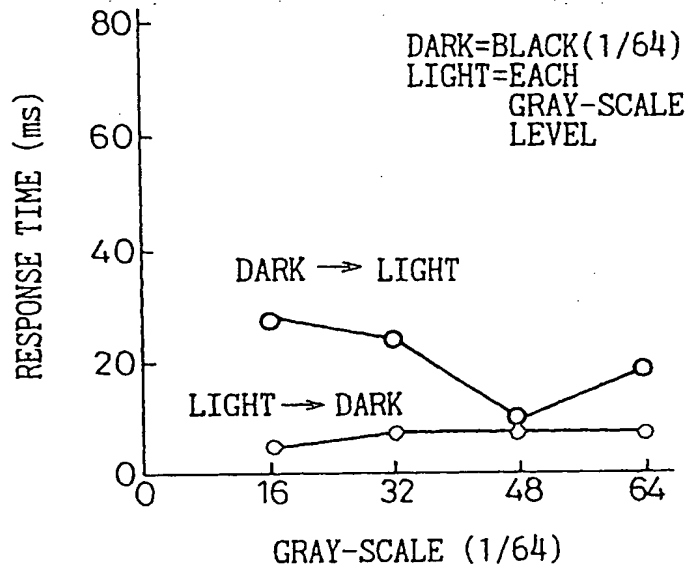


Fig. 85B

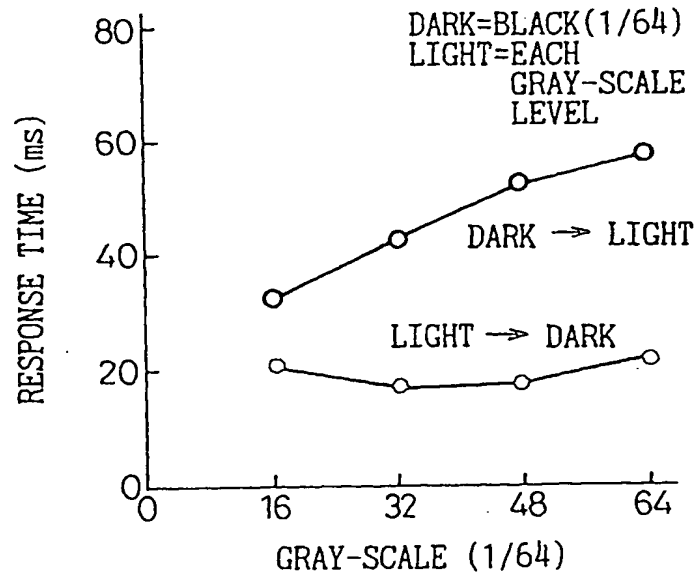


Fig. 85C

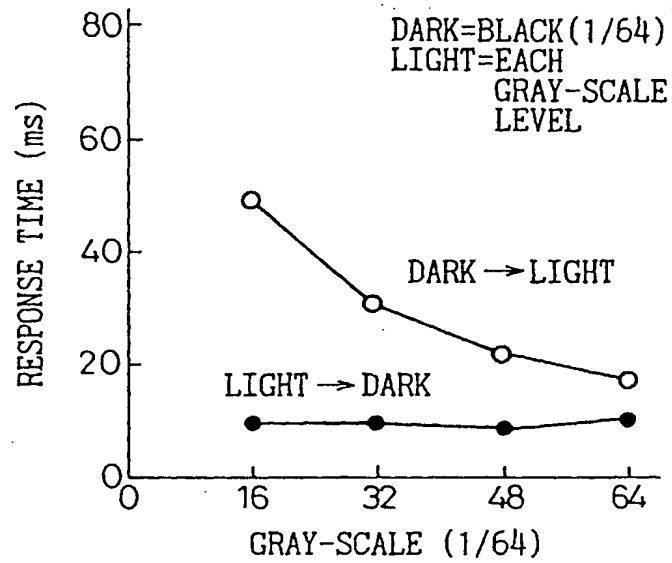


Fig. 85D

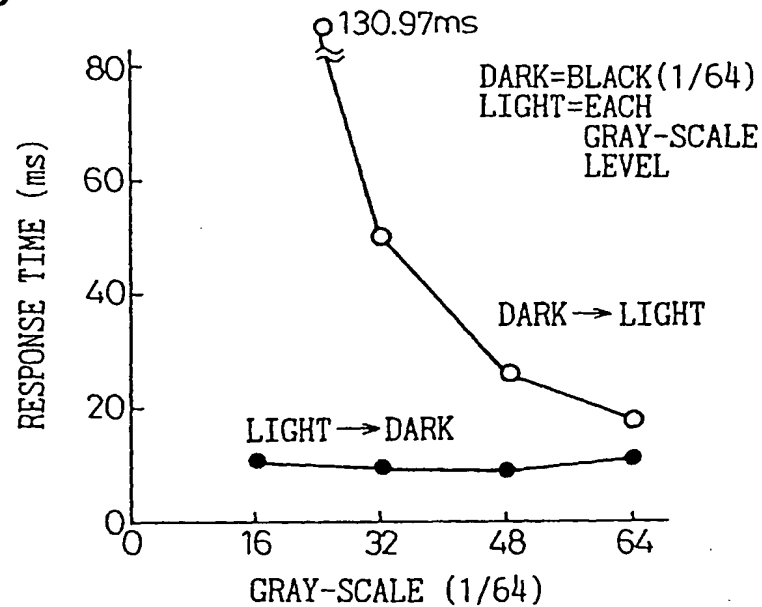


Fig.86A

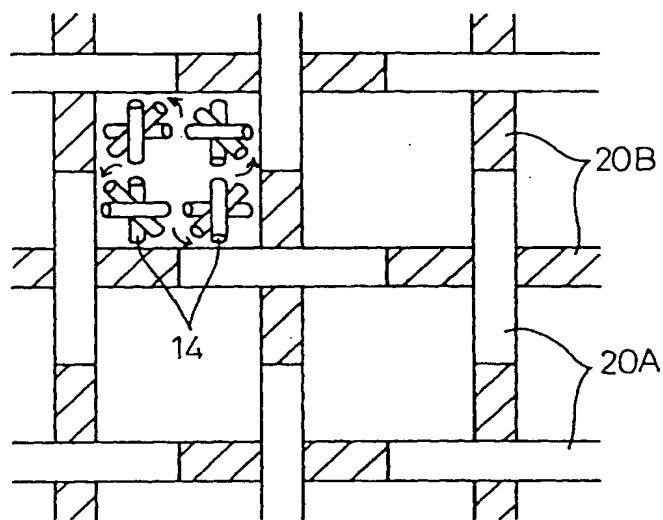


Fig.86B

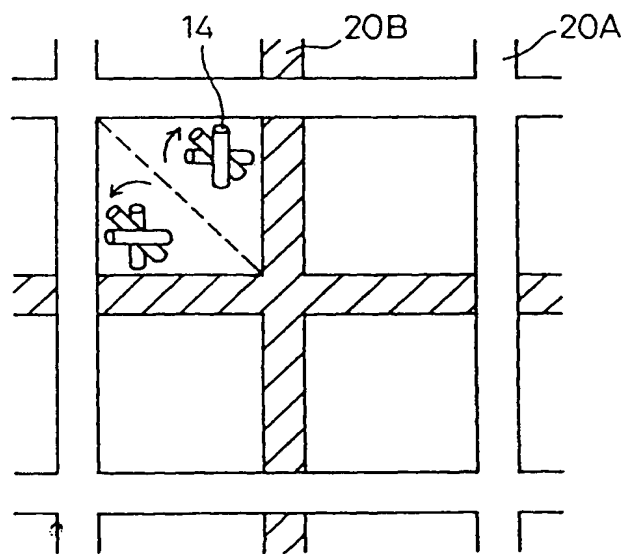


Fig.87

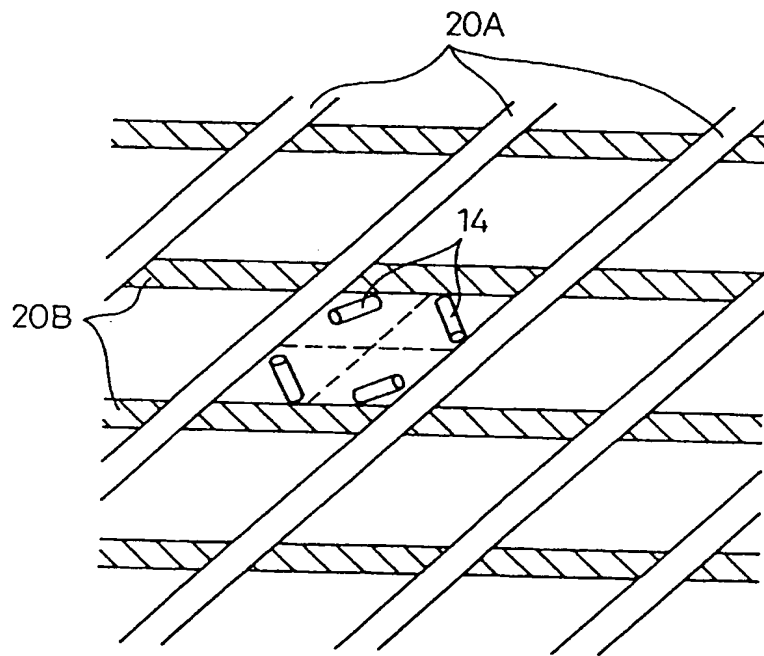


Fig. 88

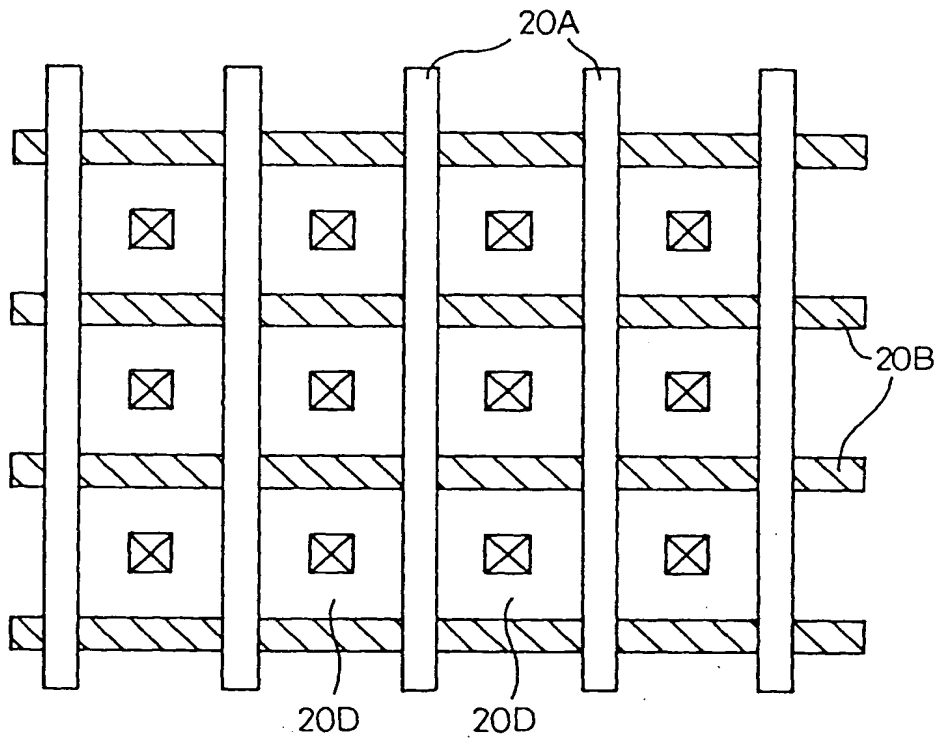


Fig.89

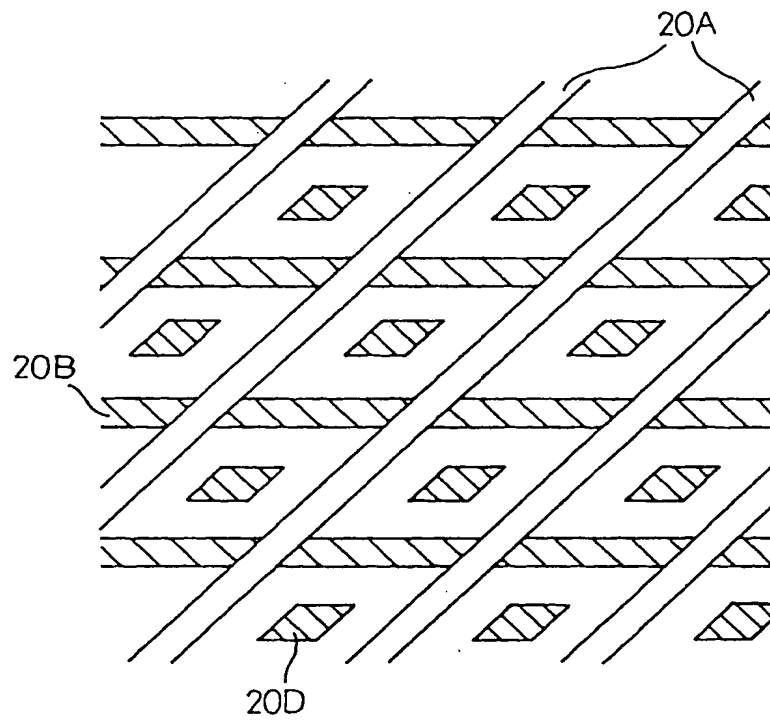


Fig.90A

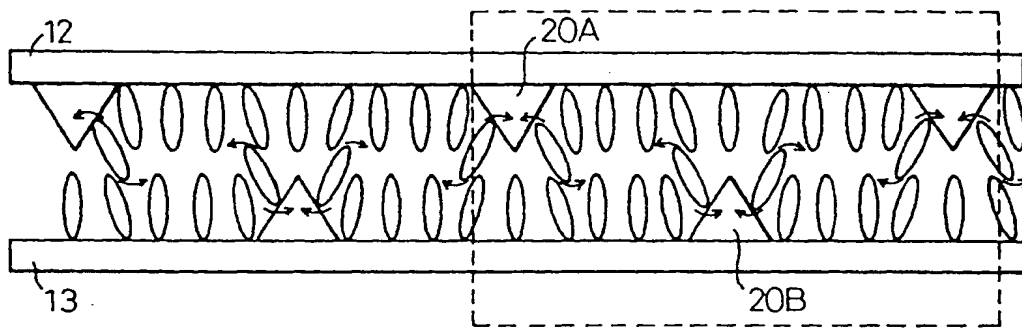


Fig.90B

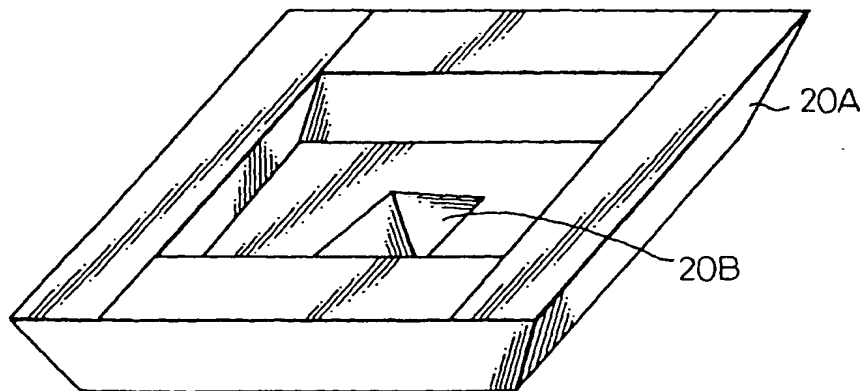


Fig.91

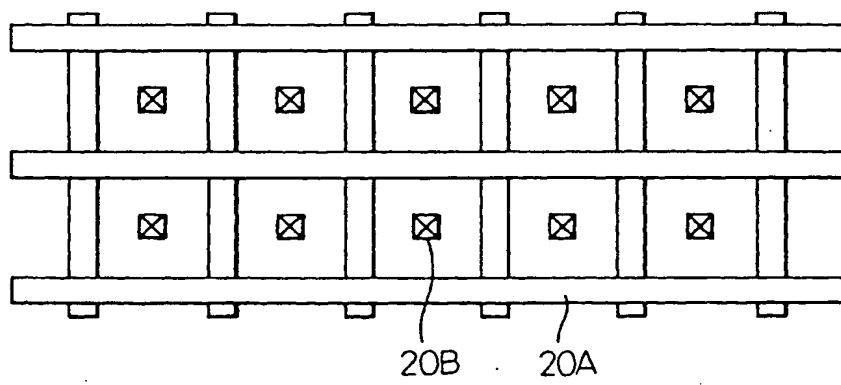


Fig.92A

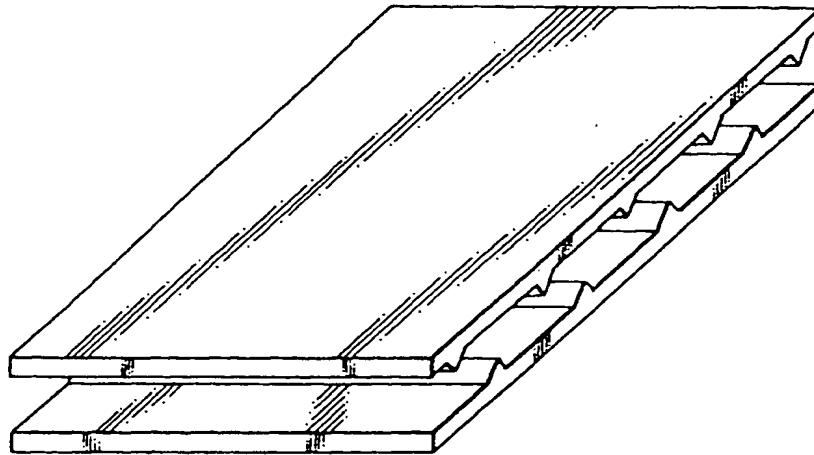


Fig.92B

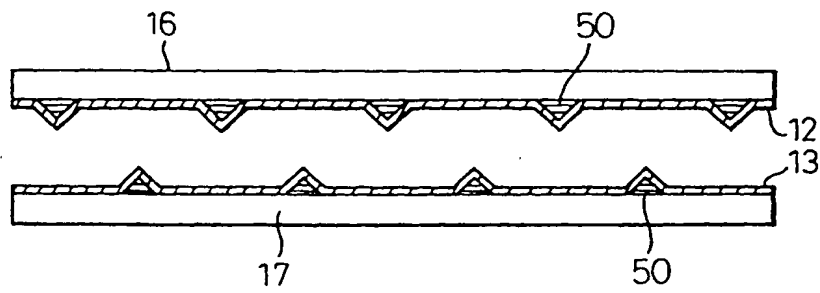


Fig. 93

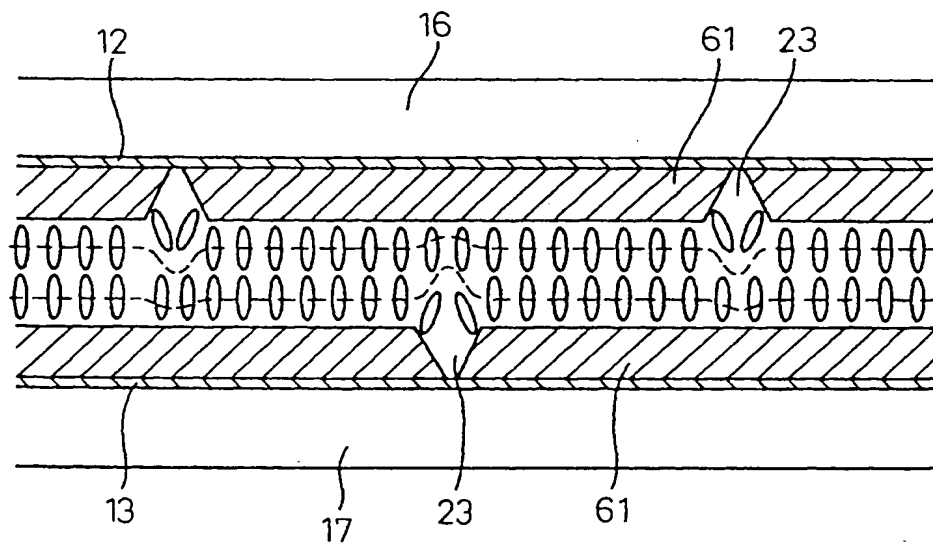


Fig. 88

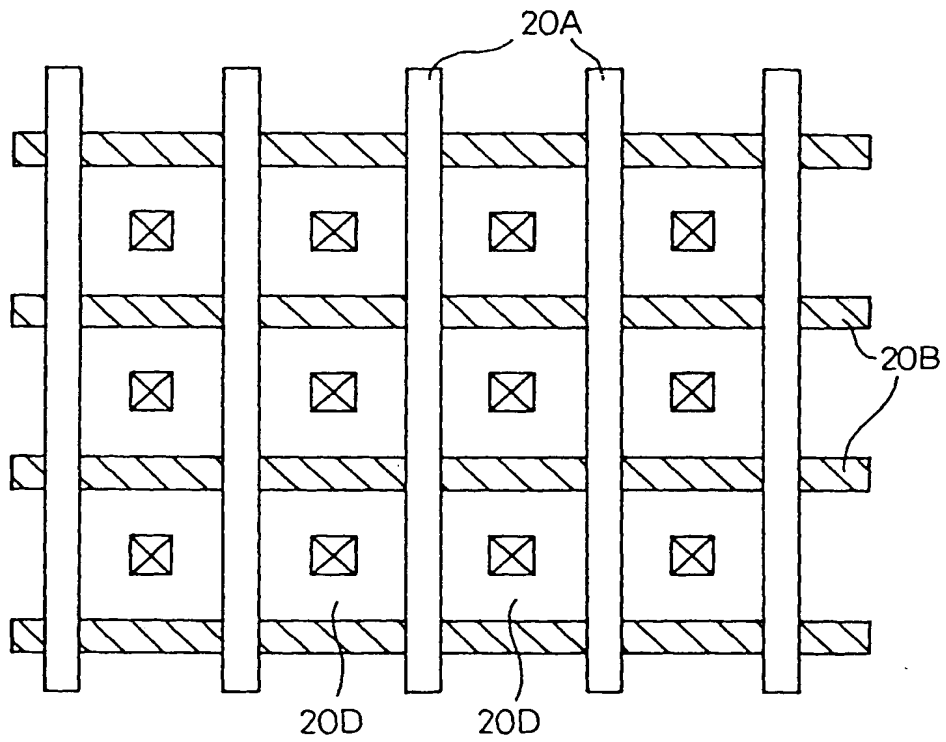


Fig.94

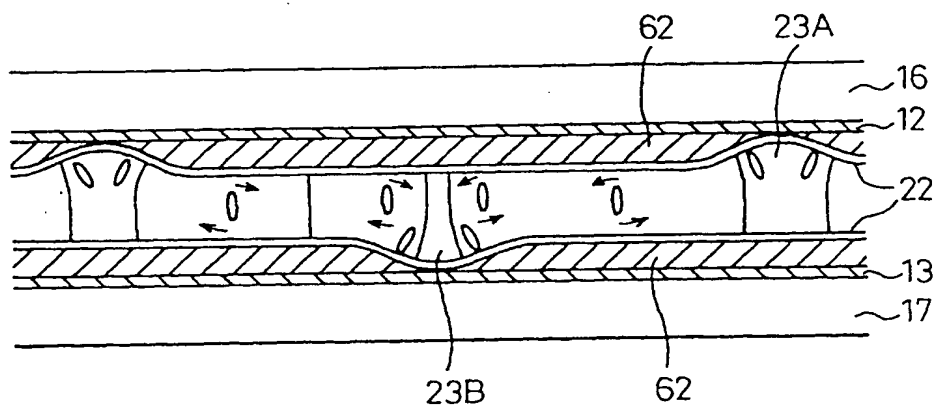


Fig.95

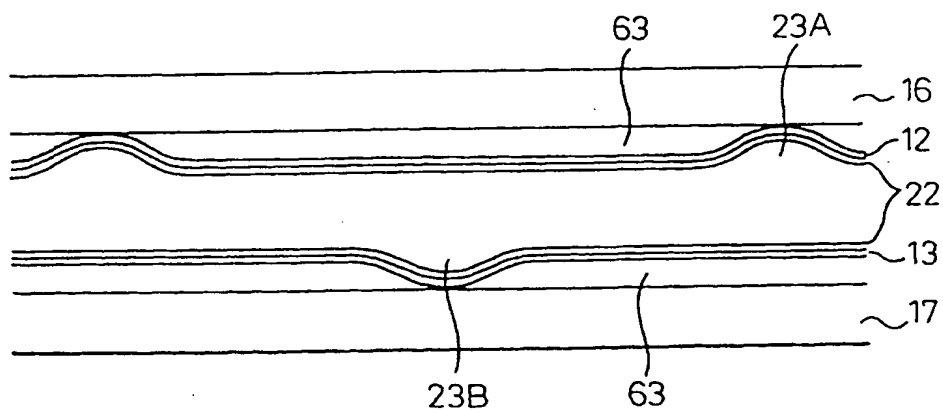


Fig.96

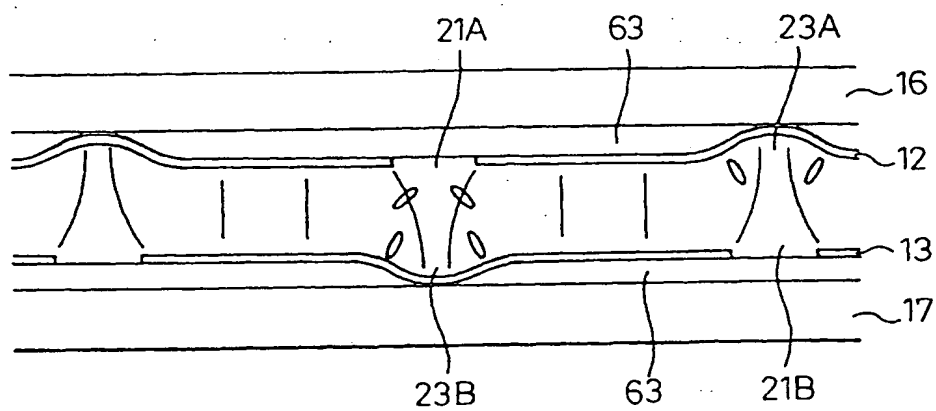


Fig.97

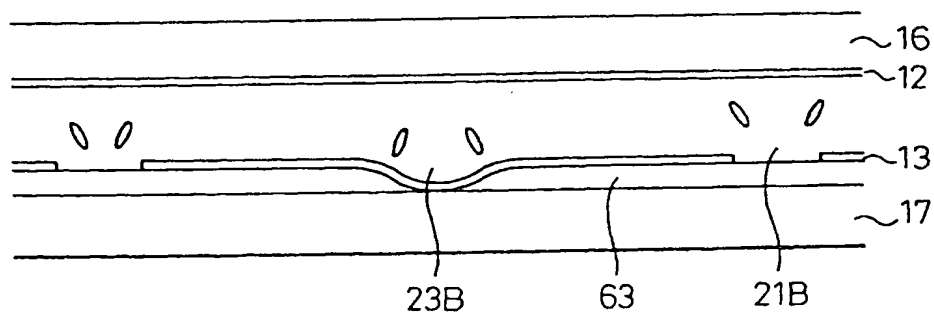


Fig.98

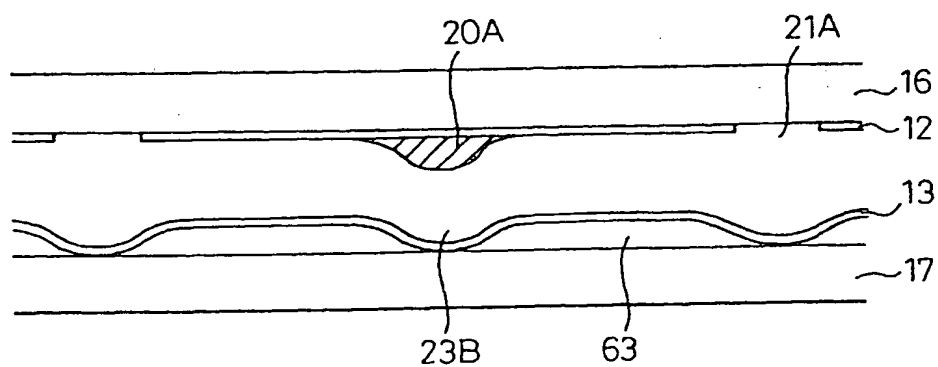


Fig.99A

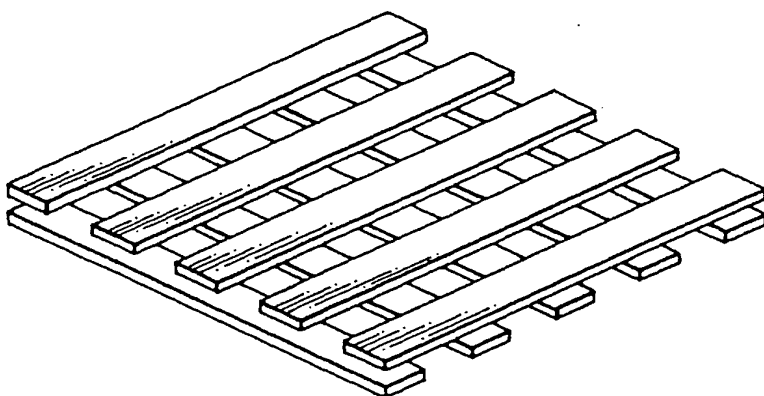


Fig.99B

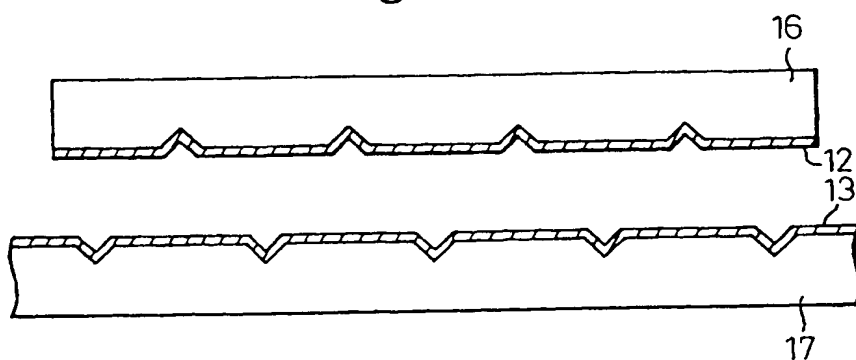


Fig.100A

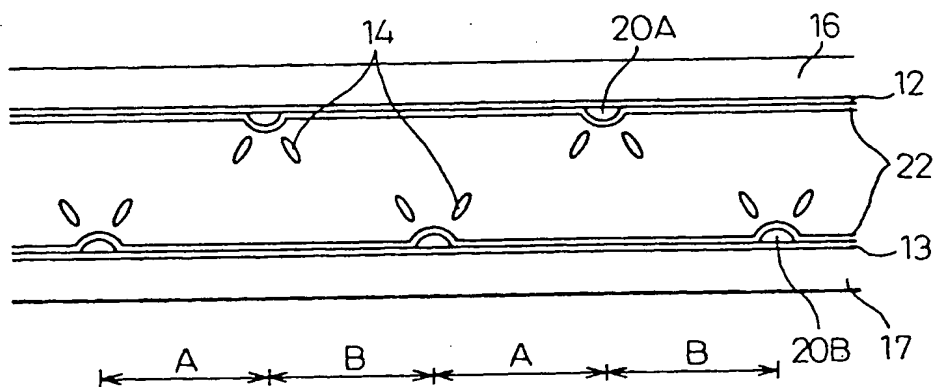


Fig.100B

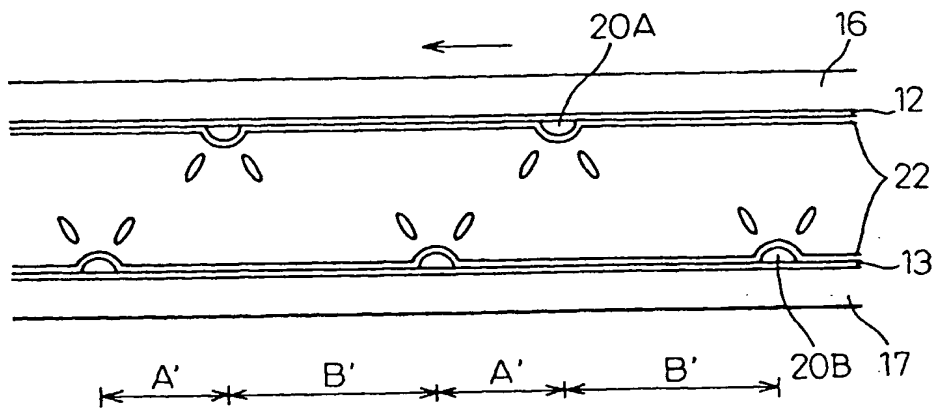


Fig. 101A

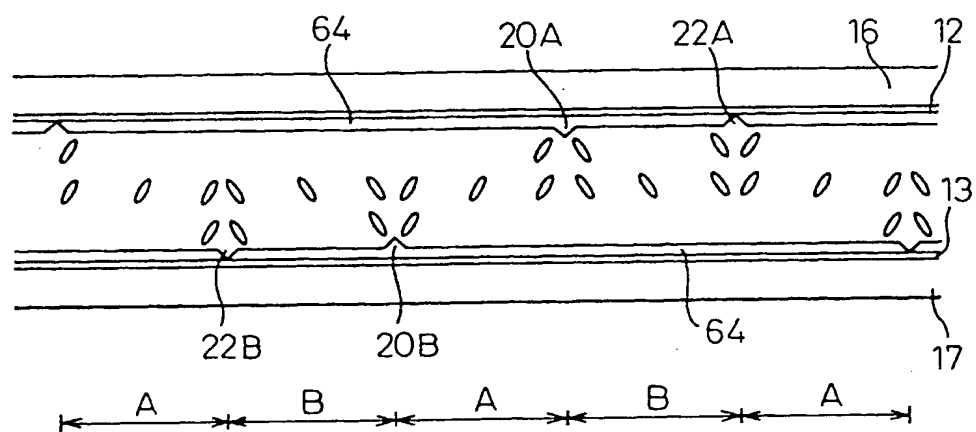


Fig. 101B

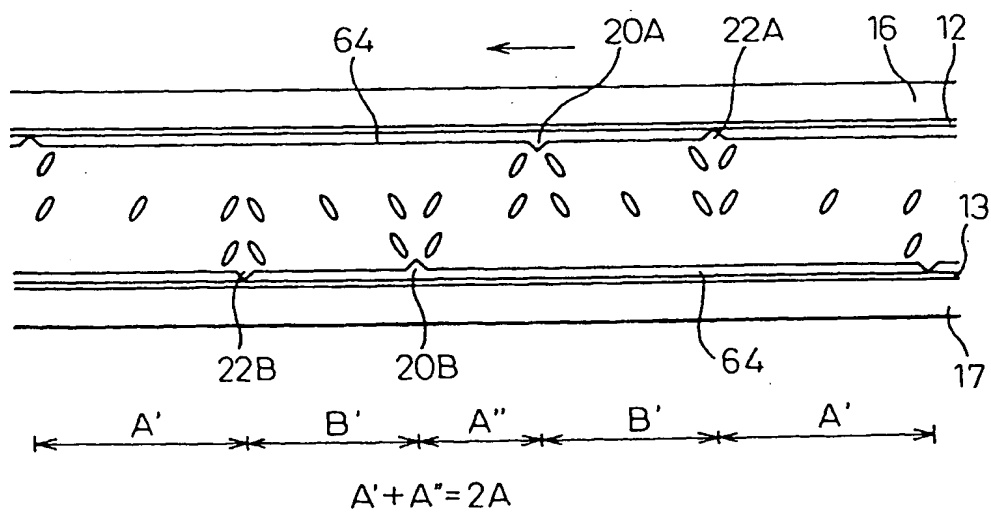


Fig.102

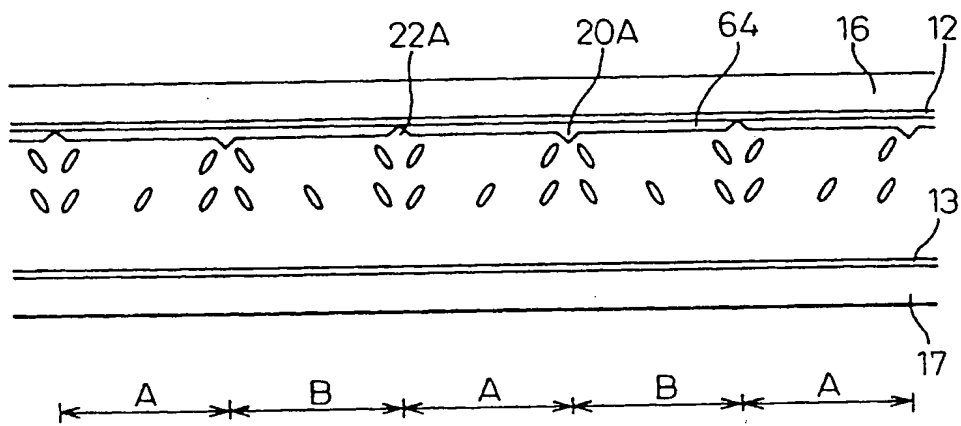


Fig.103A

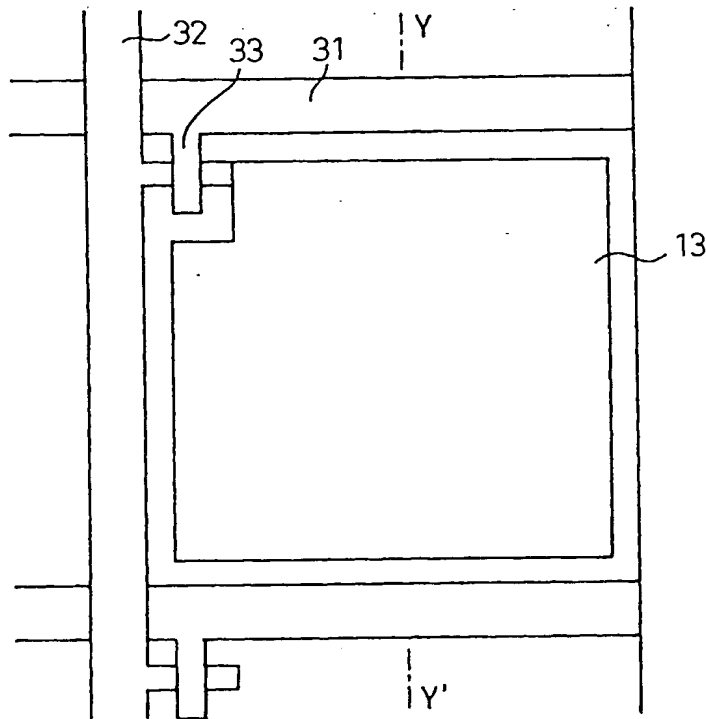


Fig.103B

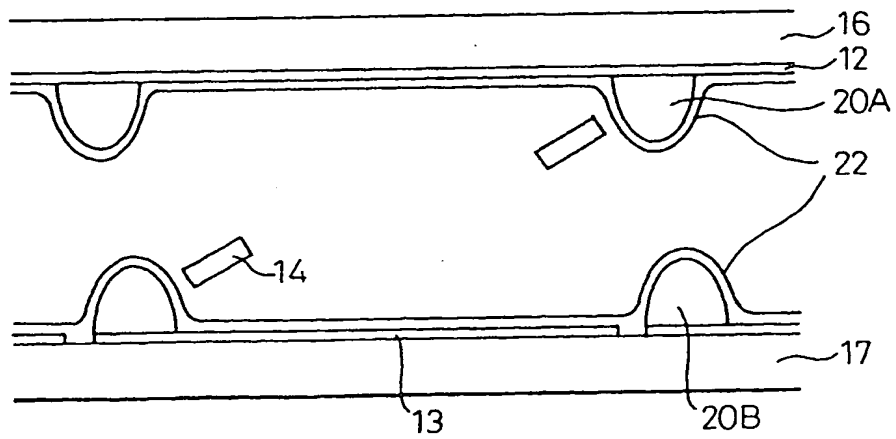


Fig.104

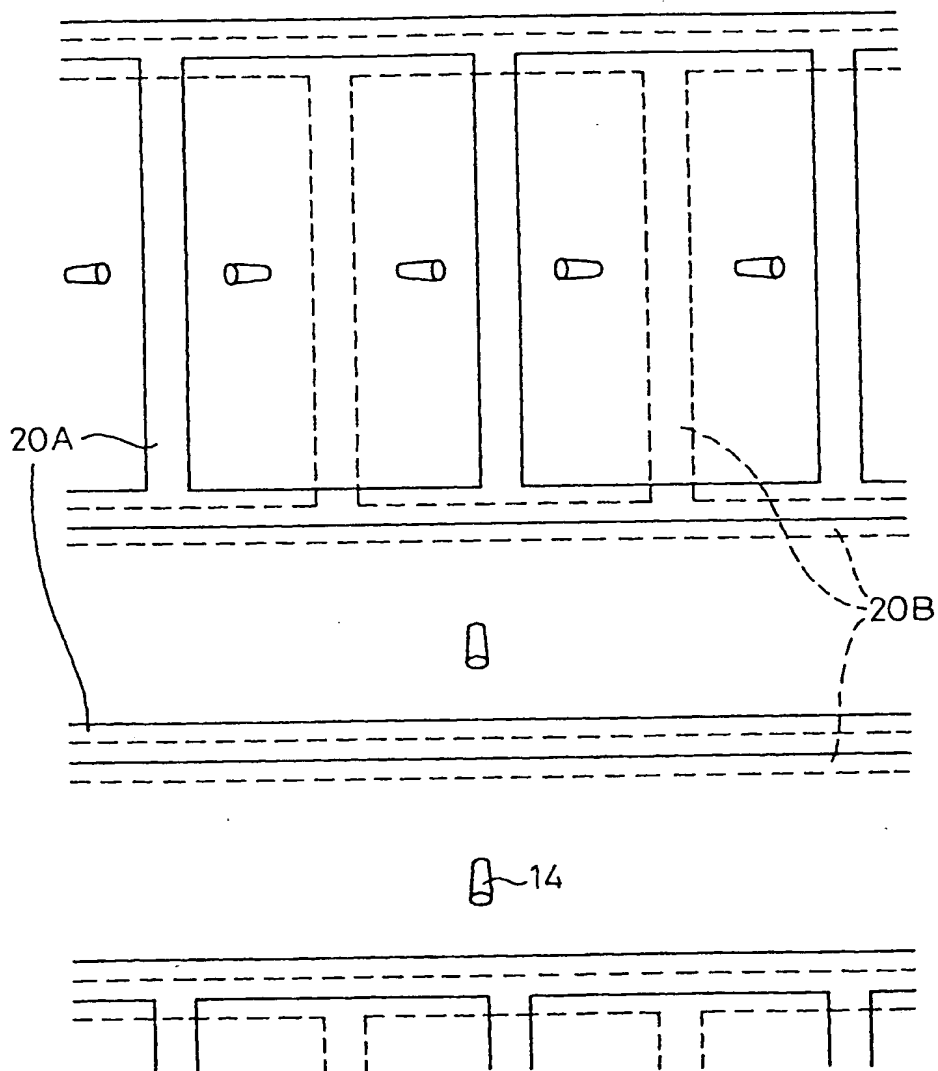


Fig.105A

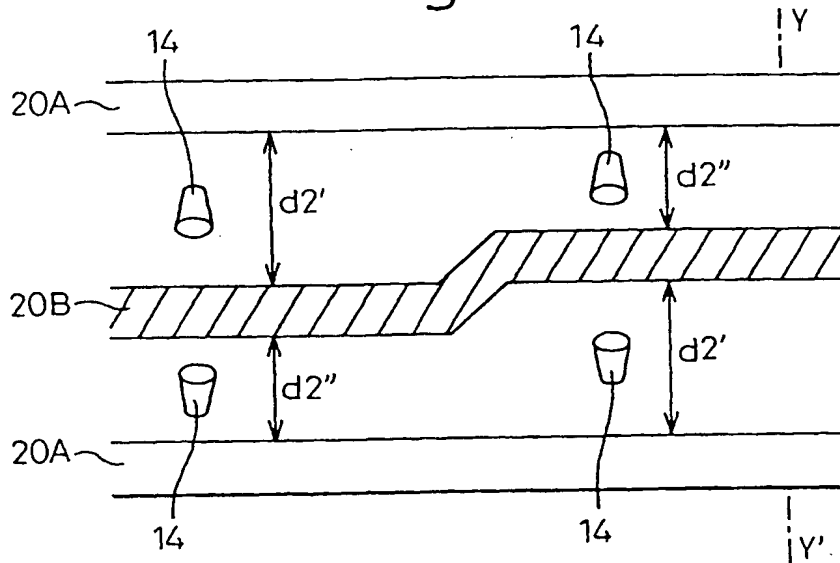


Fig.105B

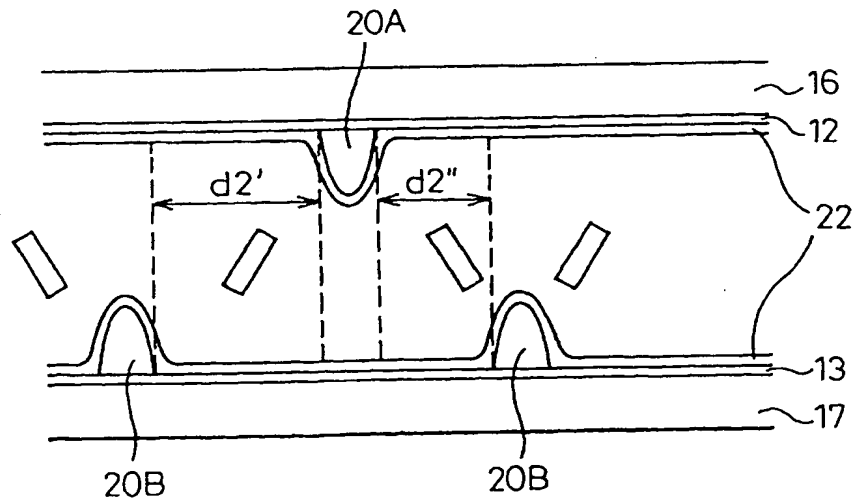


Fig.106

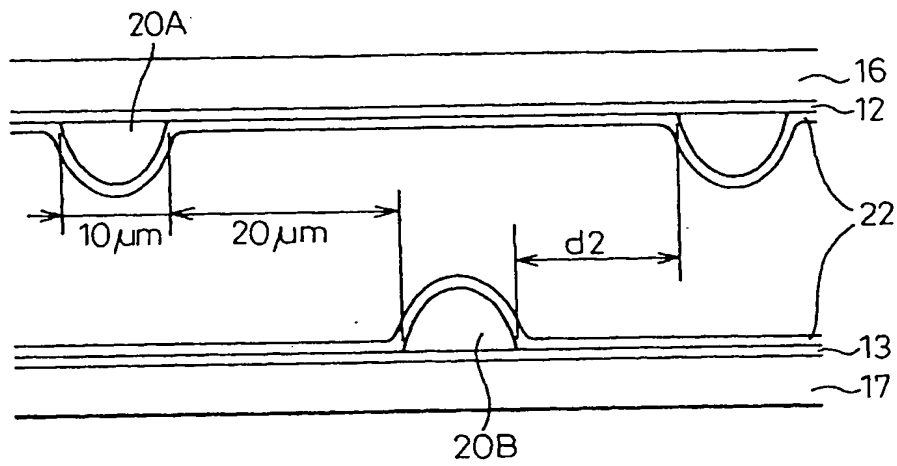


Fig.107

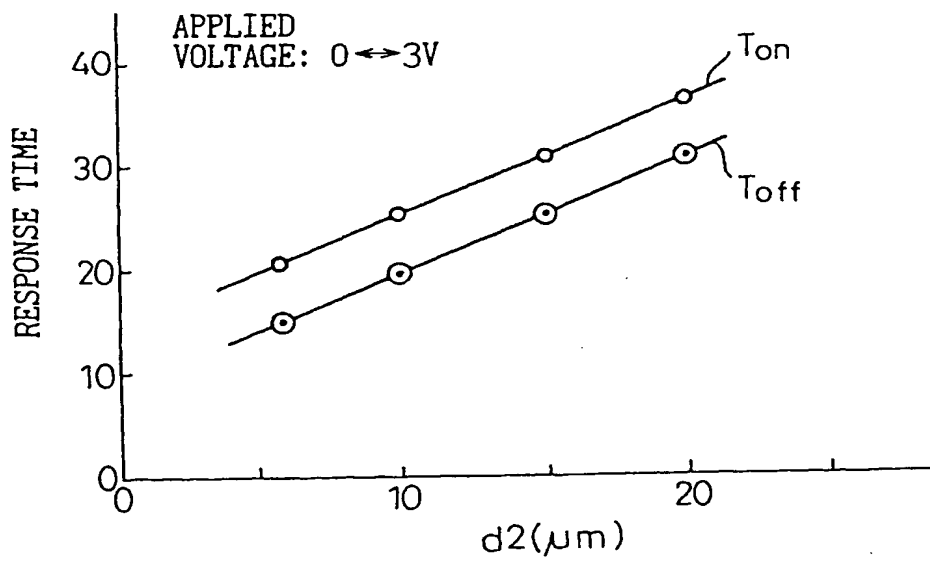


Fig.108A

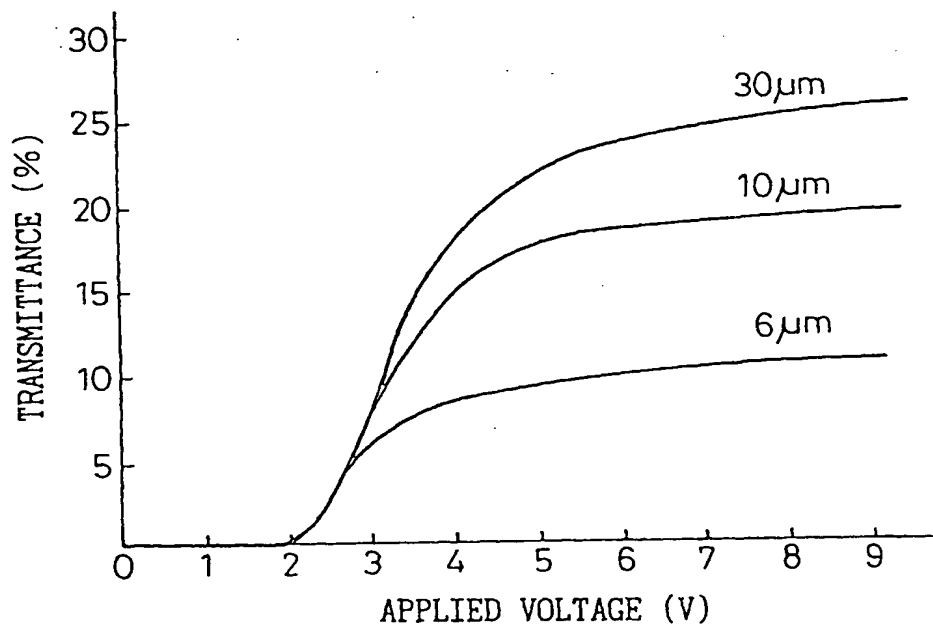


Fig.108B

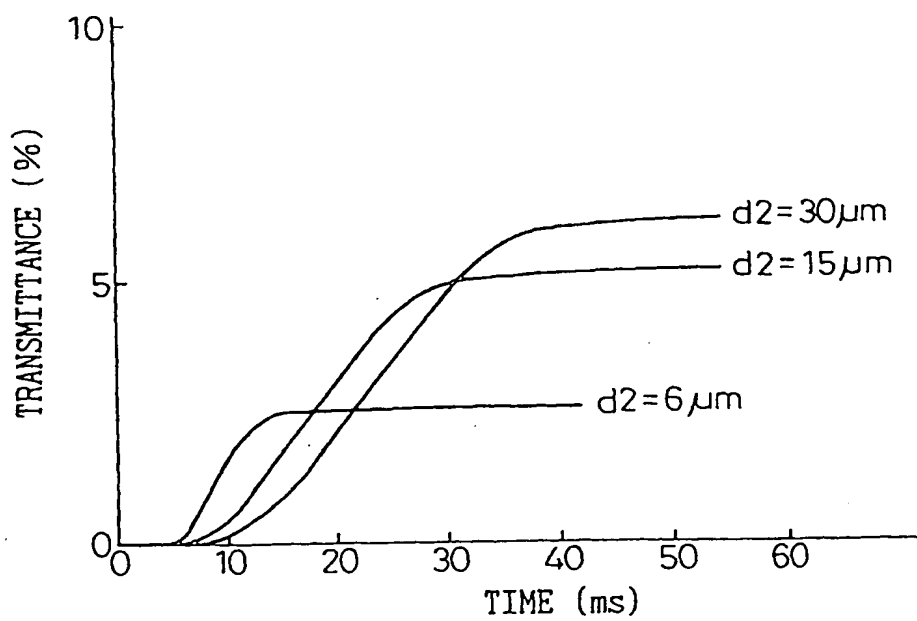


Fig.109A

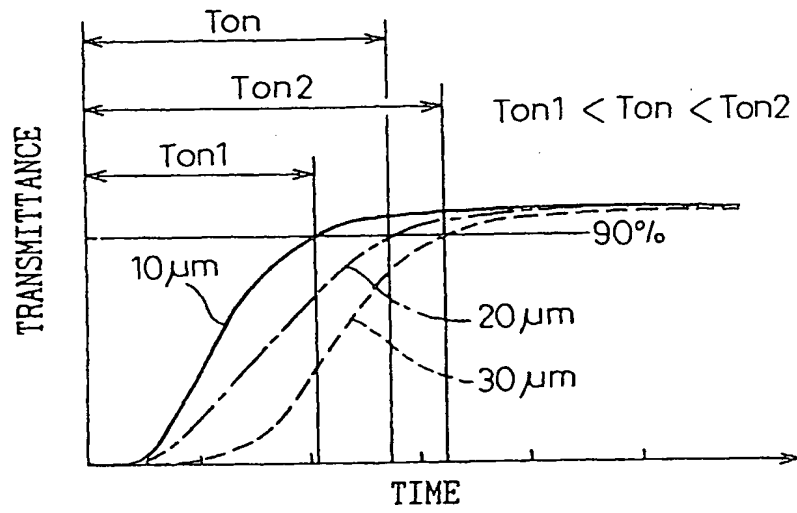


Fig.109B

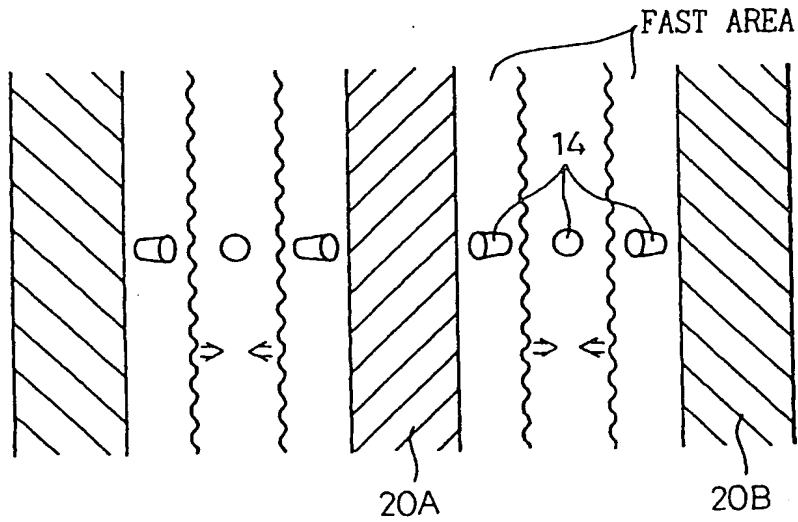


Fig. 110

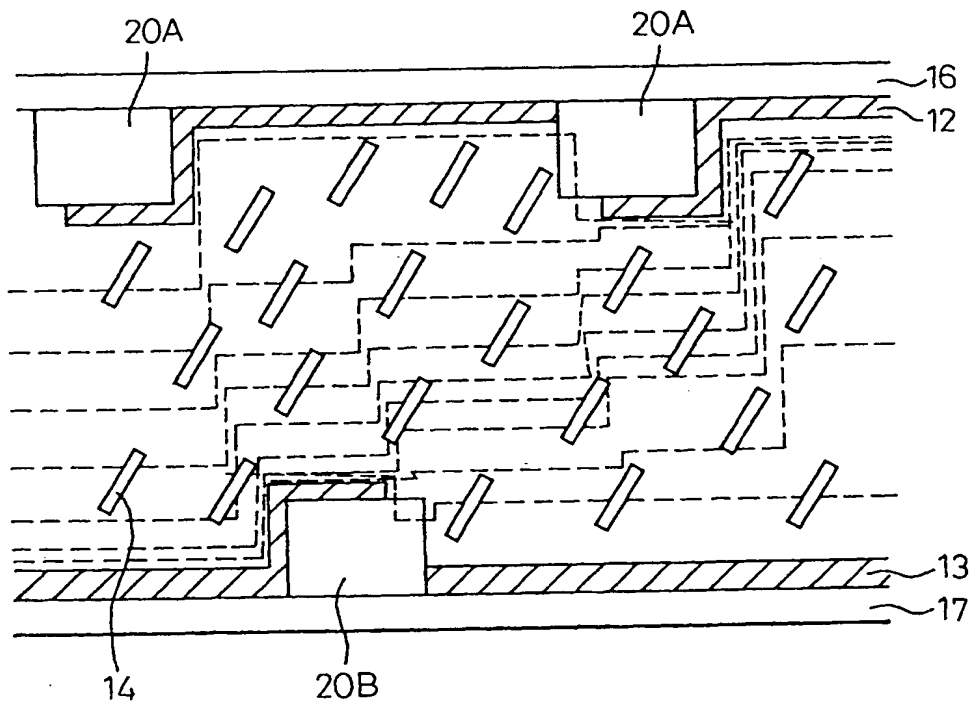


Fig. 111

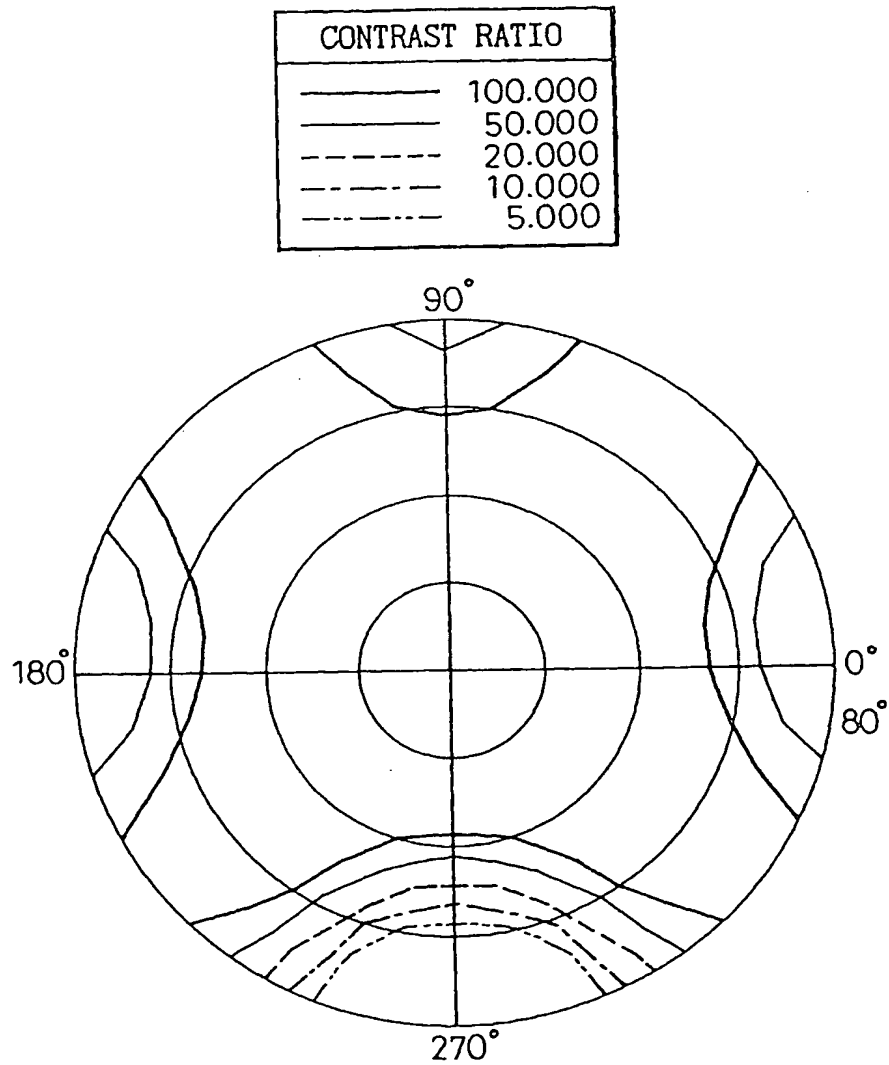


Fig.112

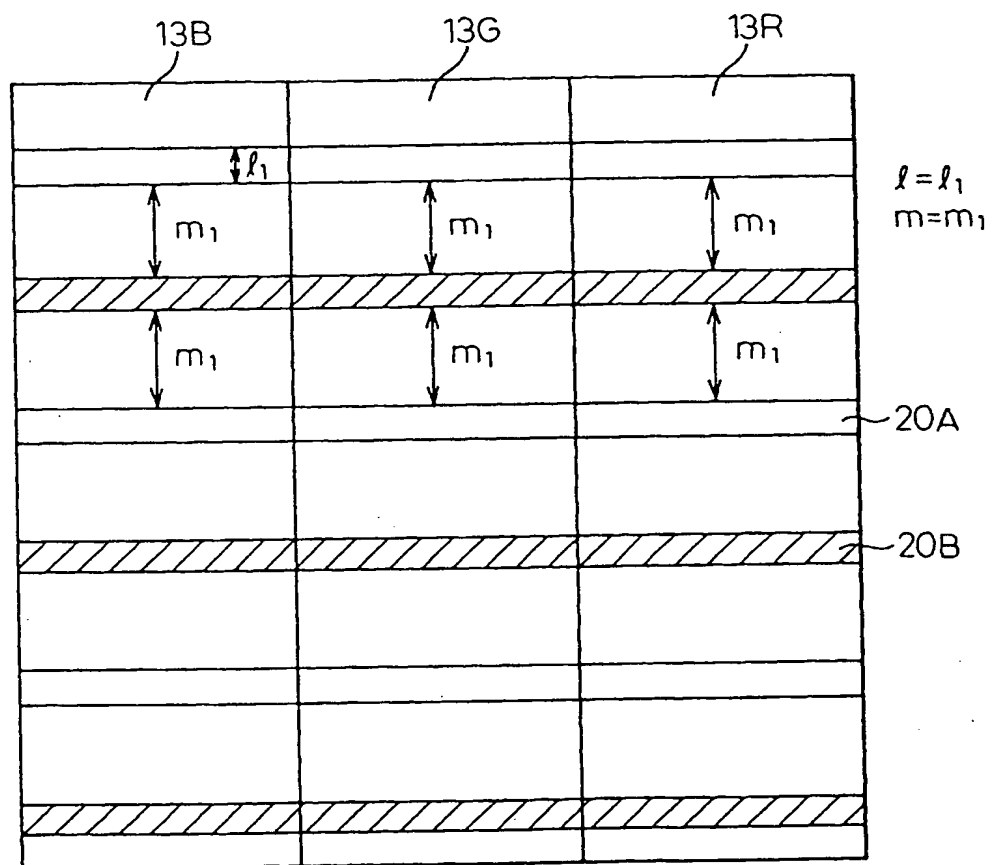


Fig.113

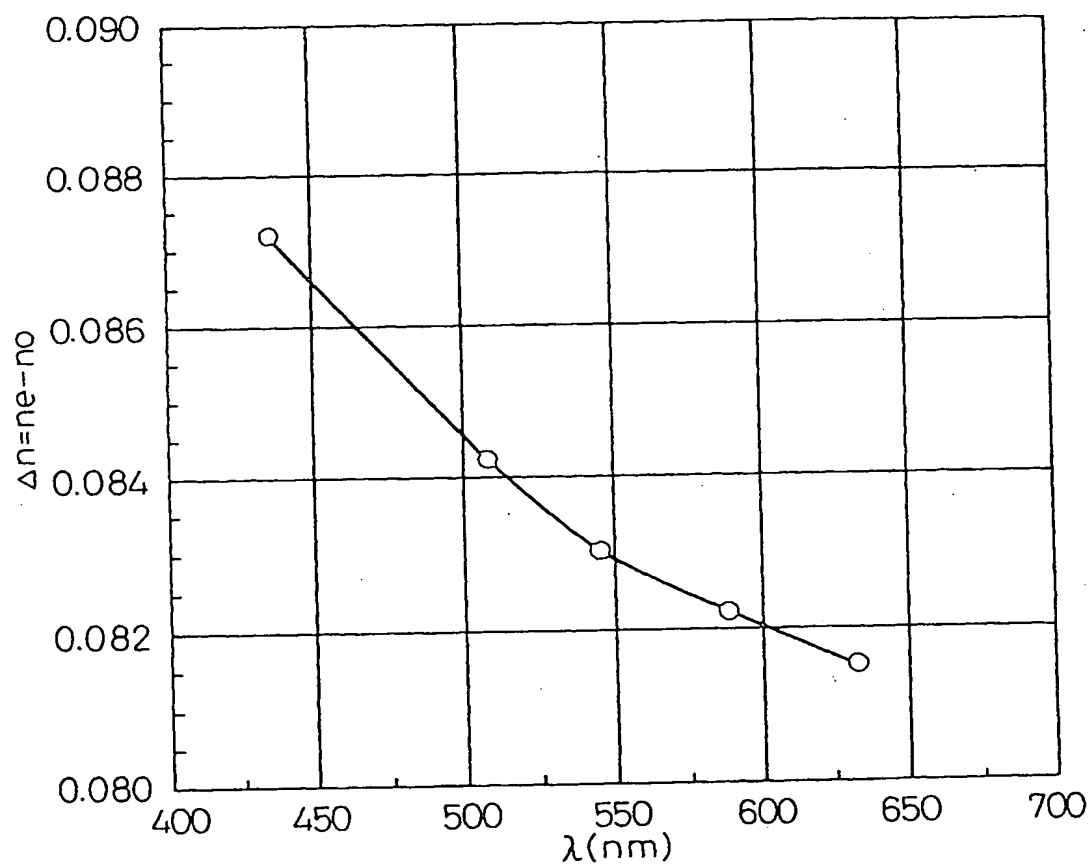


Fig.114

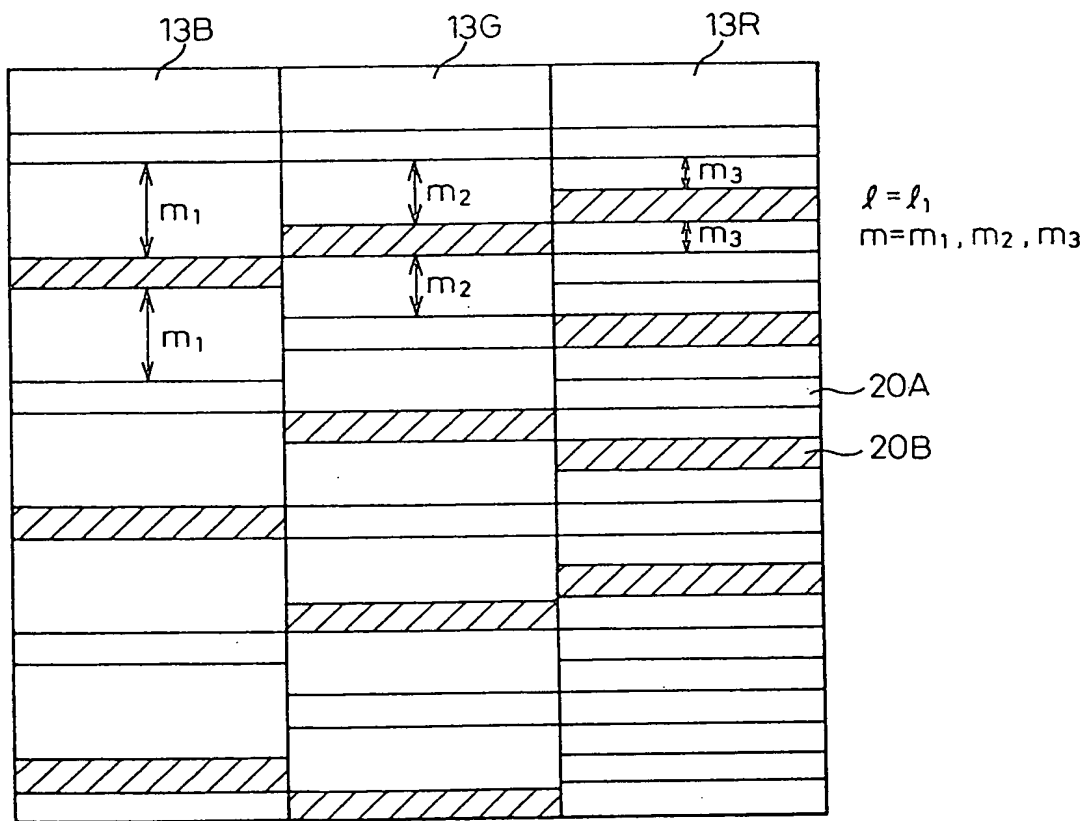


Fig. 115

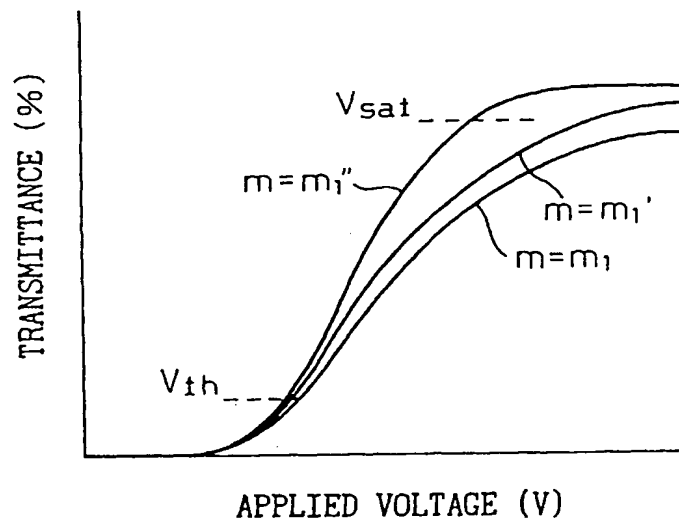


Fig.116

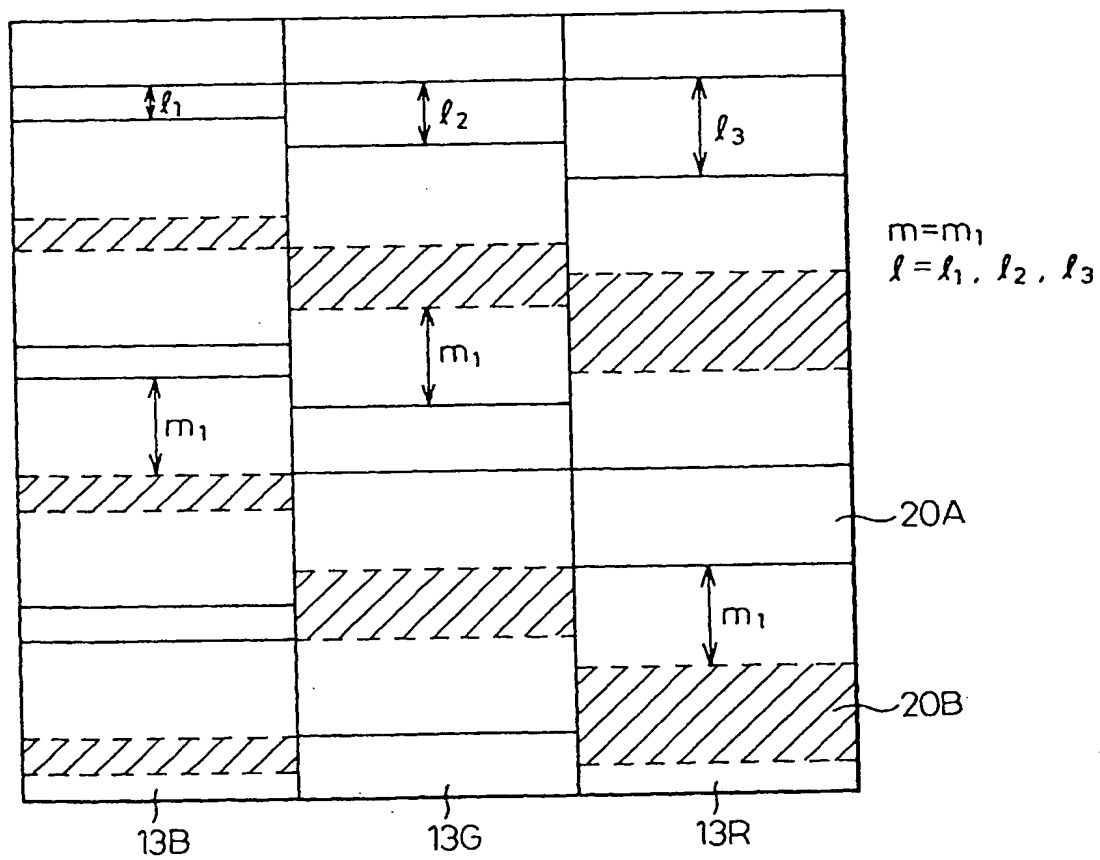


Fig.117

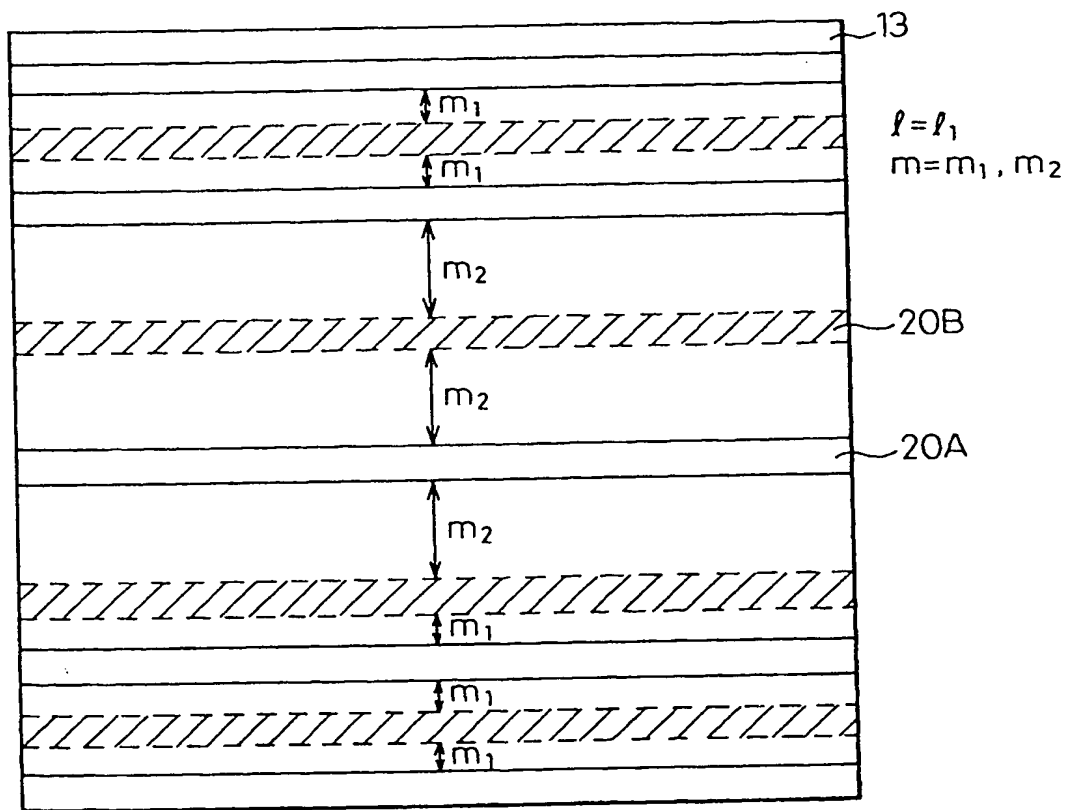


Fig.118

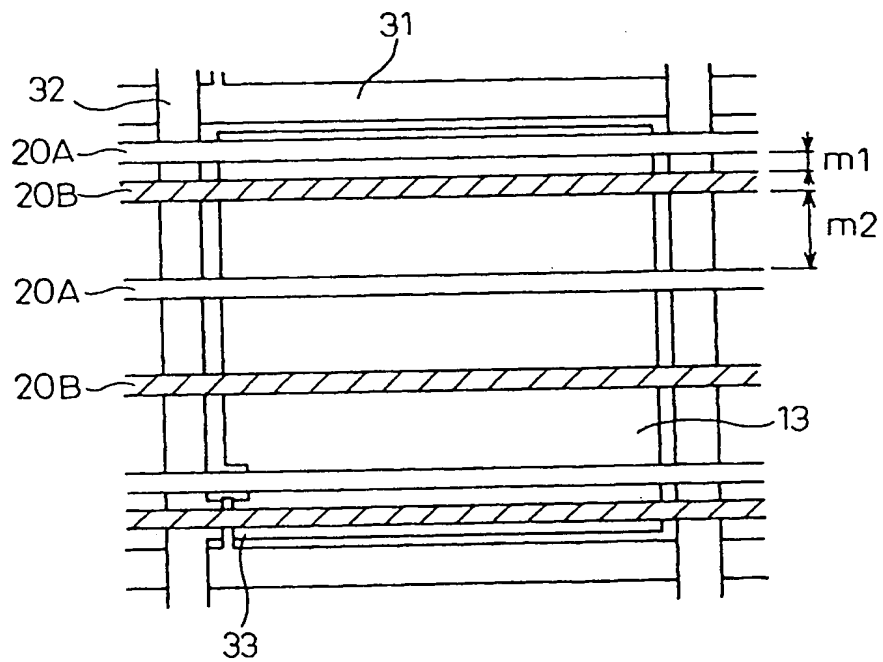


Fig. 119

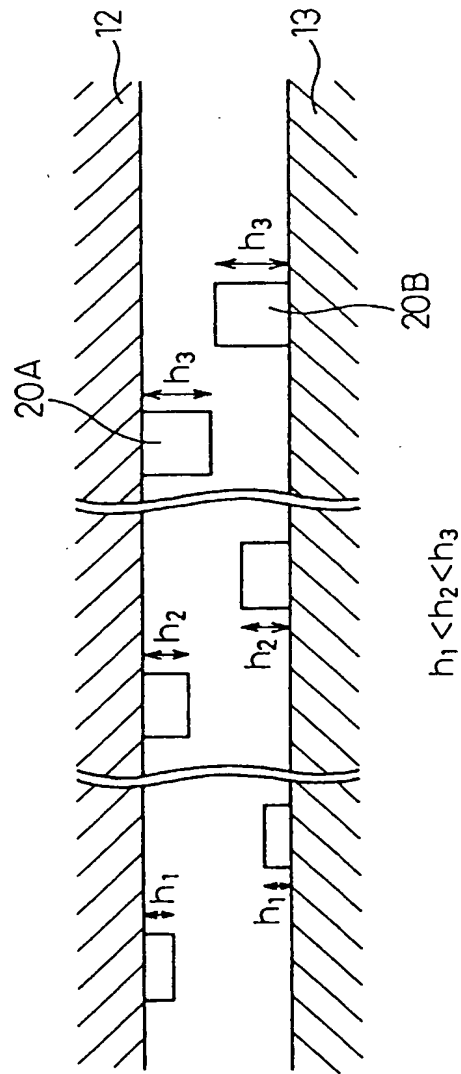


Fig. 120

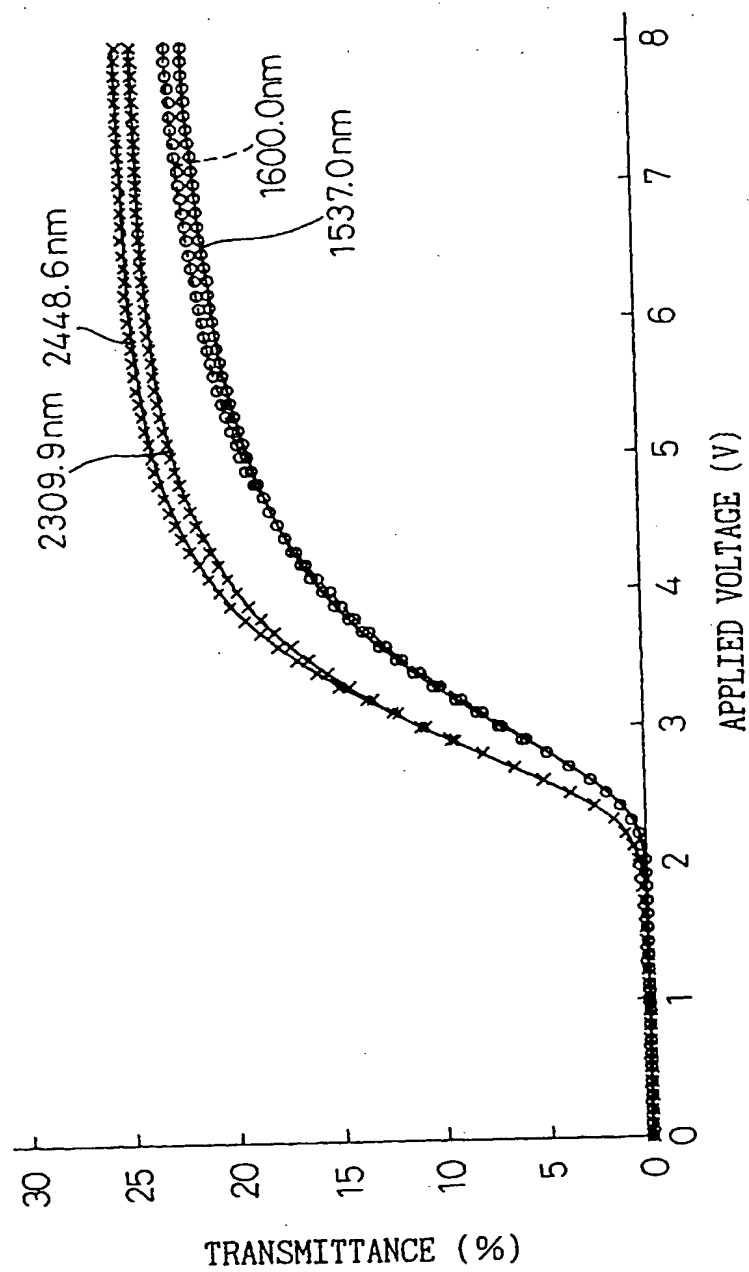


Fig.121

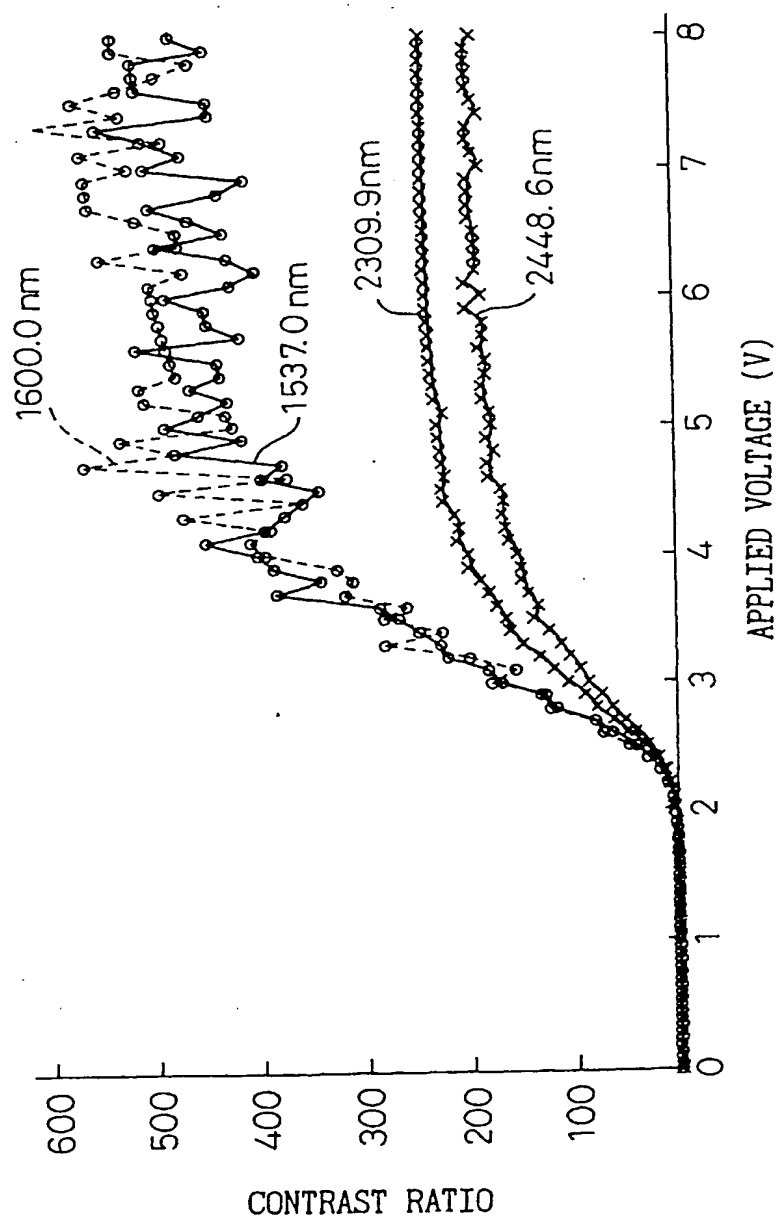


Fig. 122

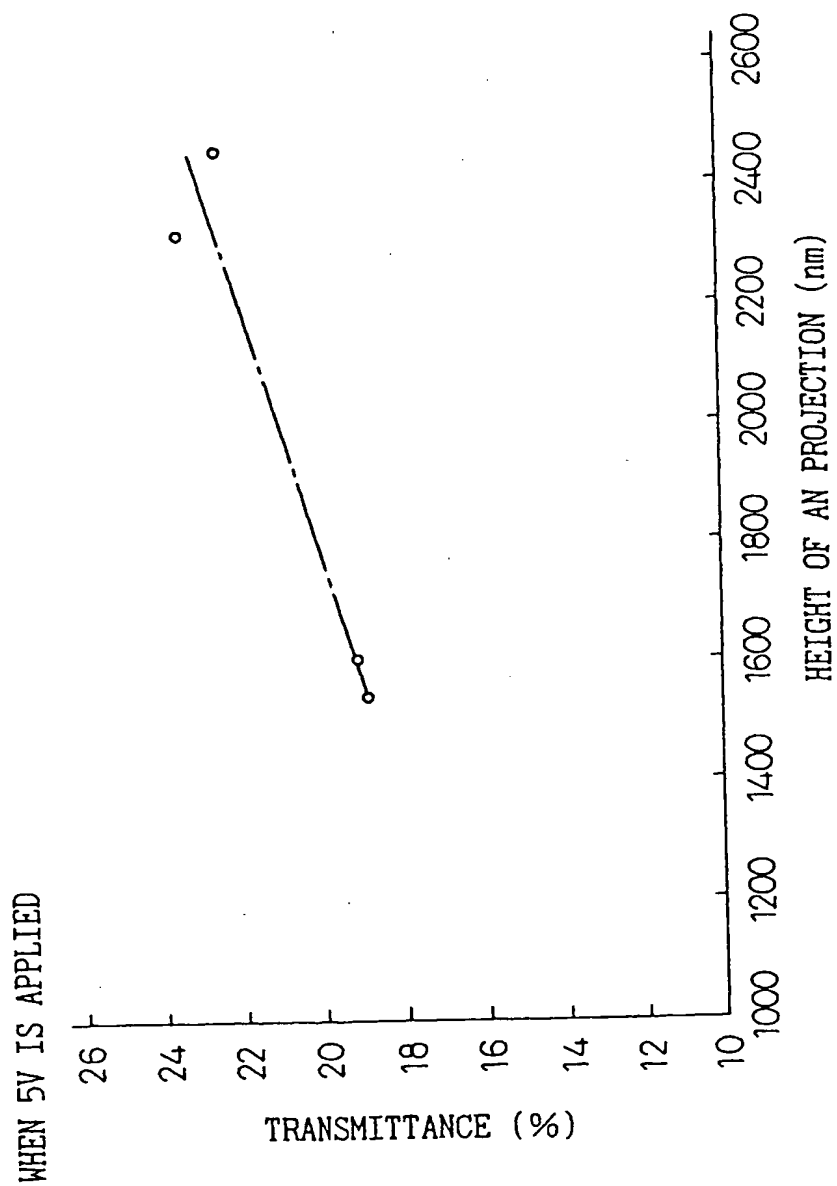


Fig. 123

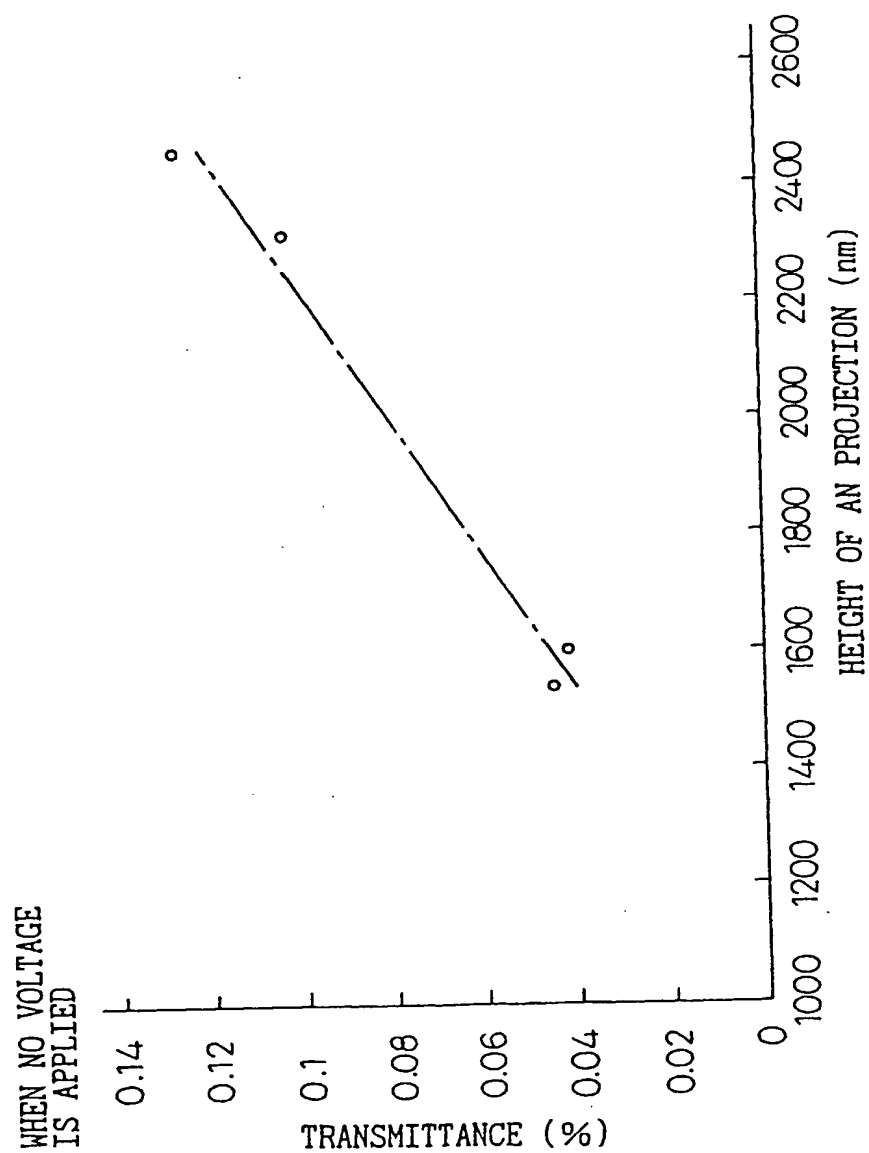


Fig. 124A

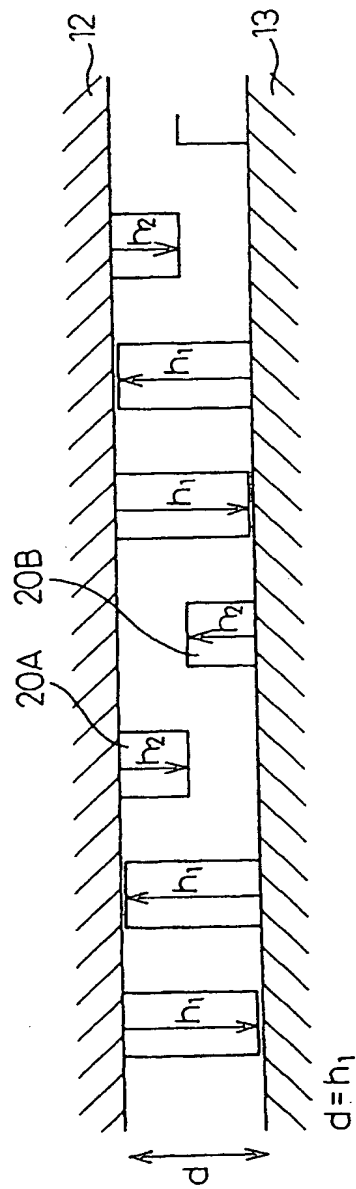


Fig. 124B

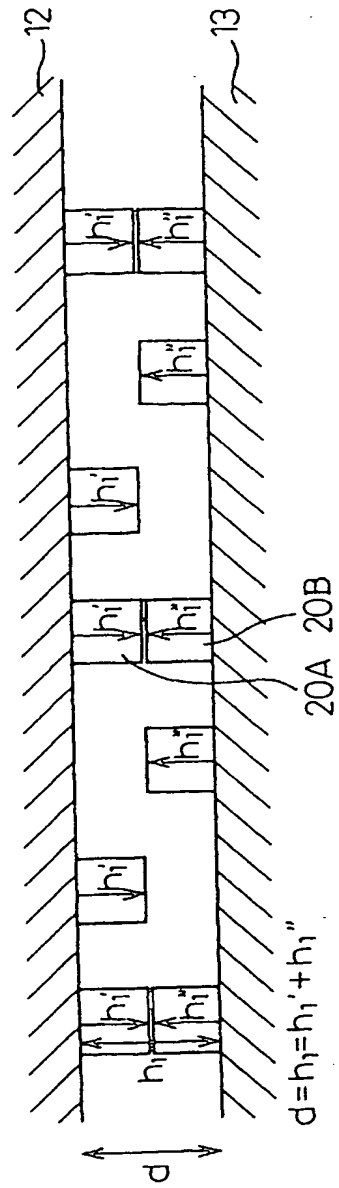


Fig. 125A

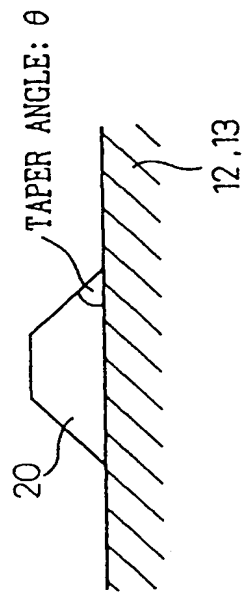


Fig. 125B

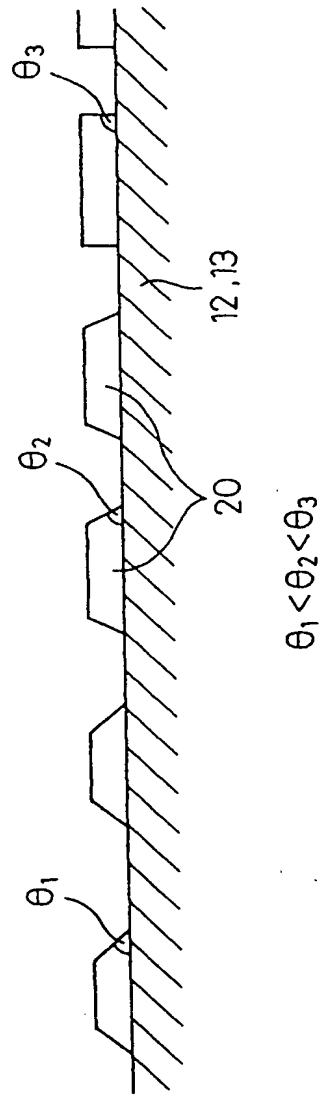


Fig .126

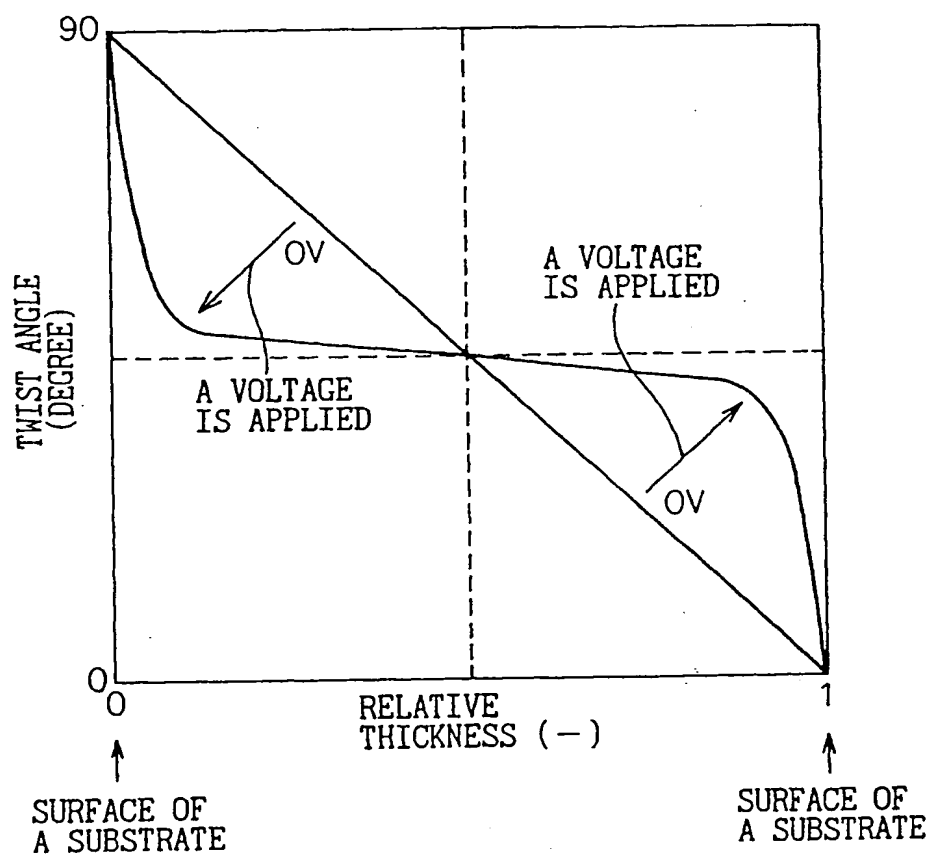


Fig. 127

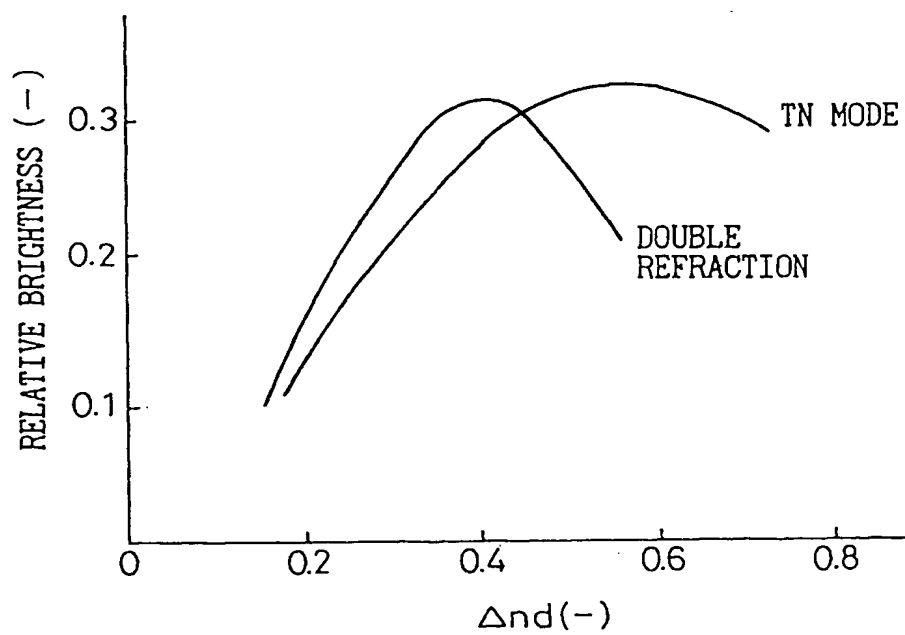


Fig .128

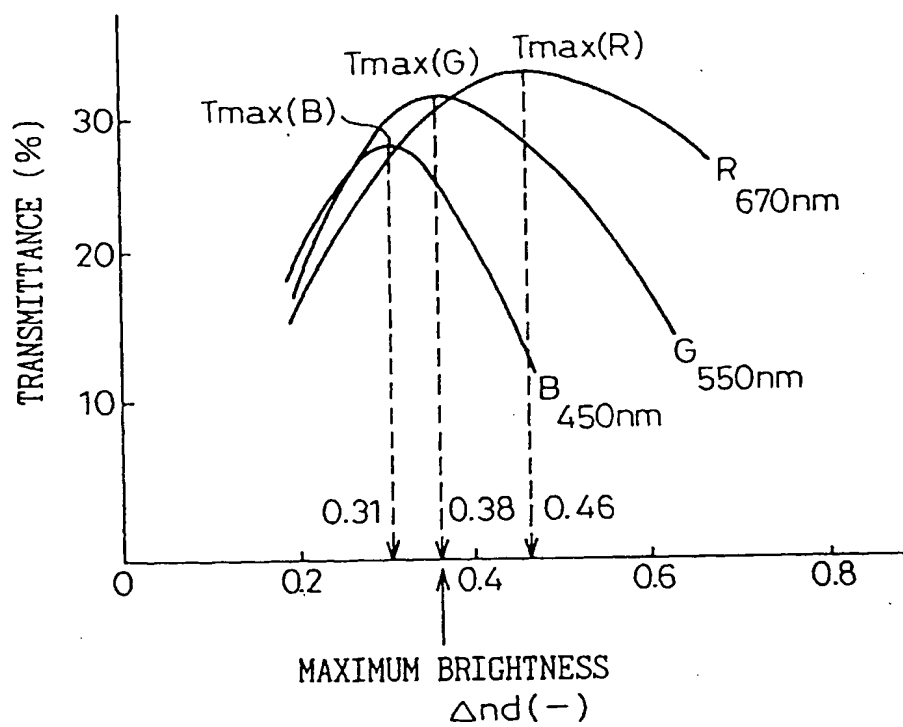


Fig. 129

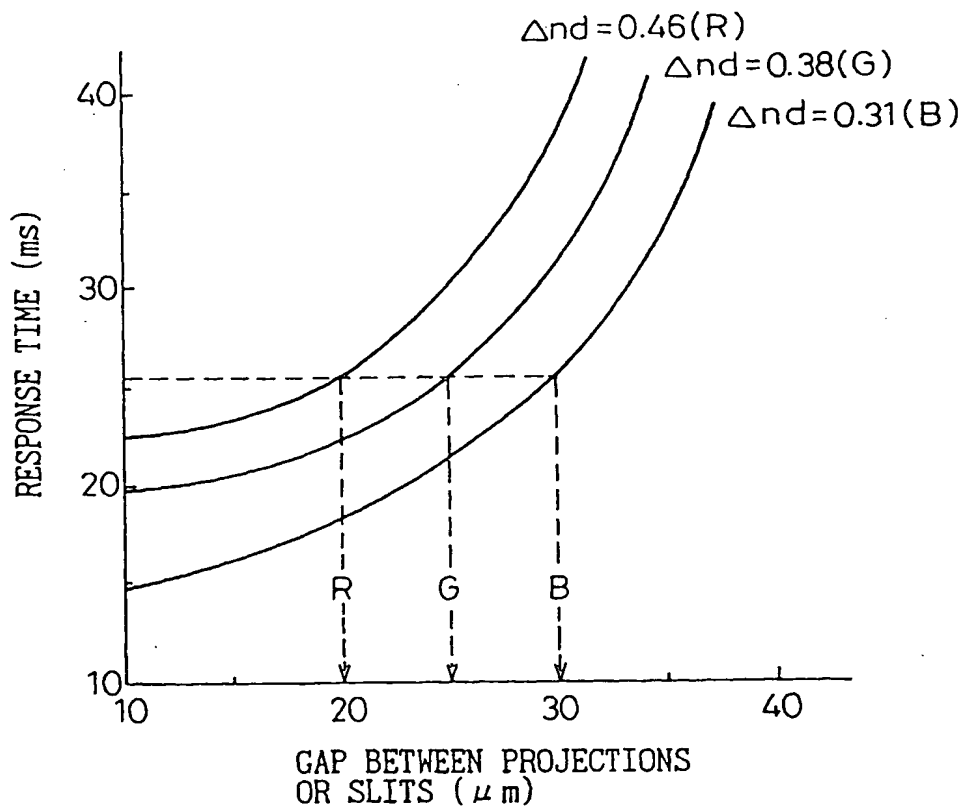


Fig .130

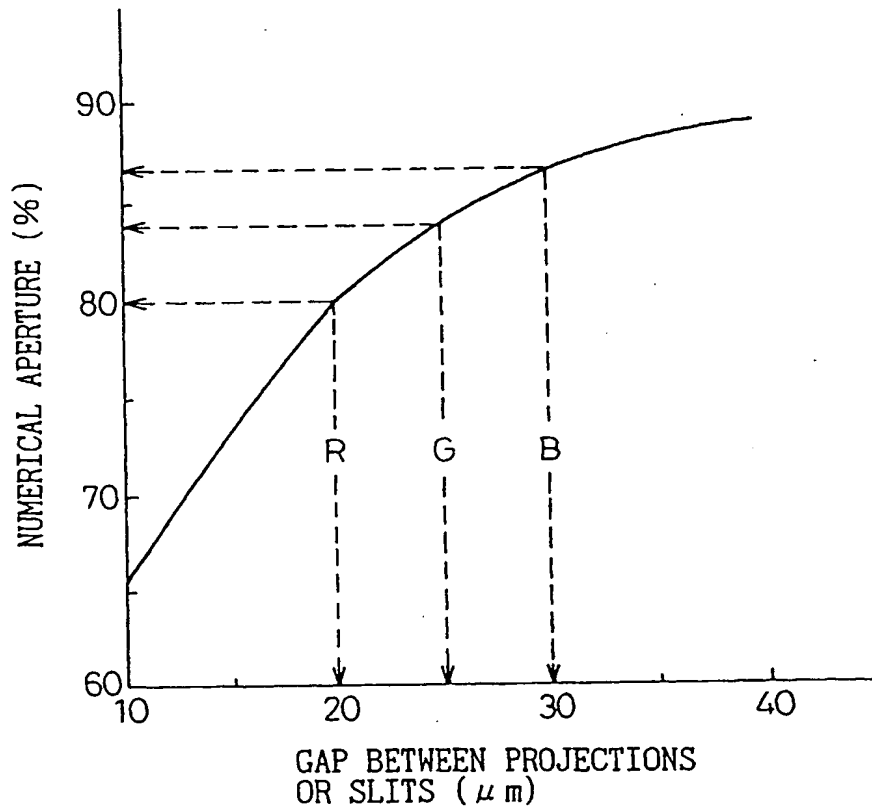


Fig. 131

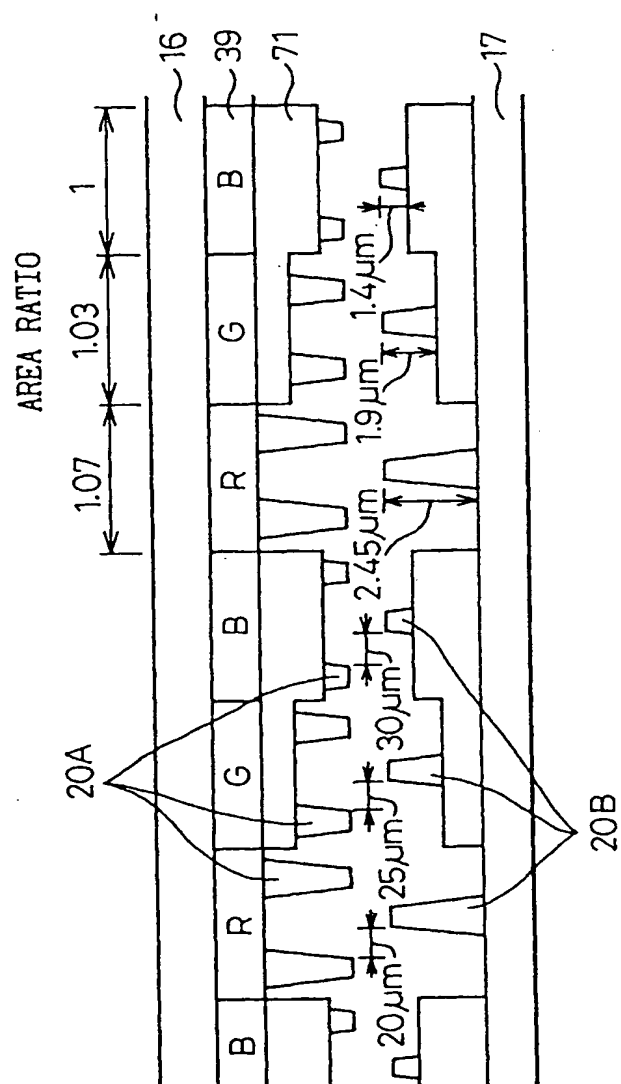


Fig. 132

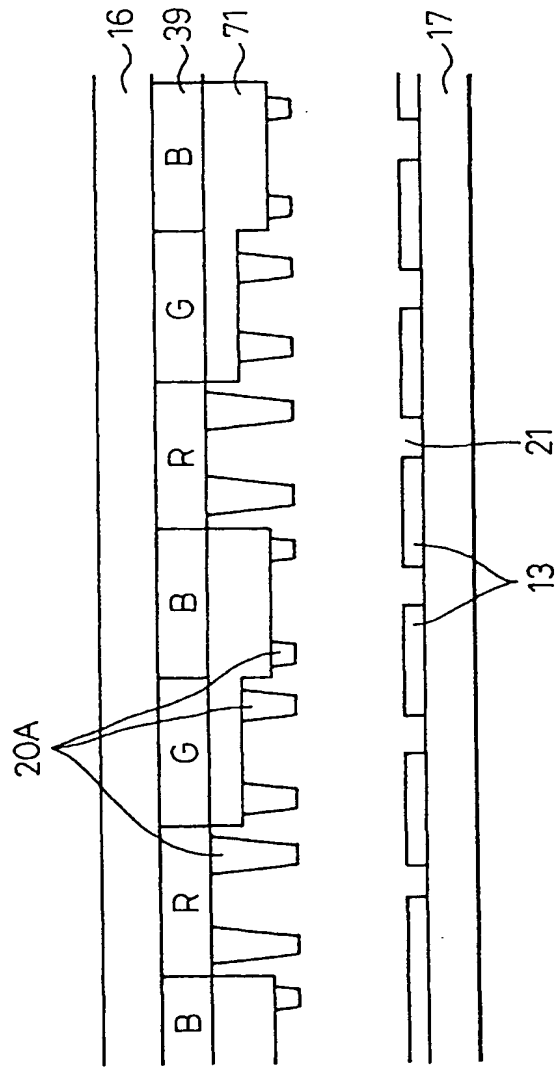


Fig.133

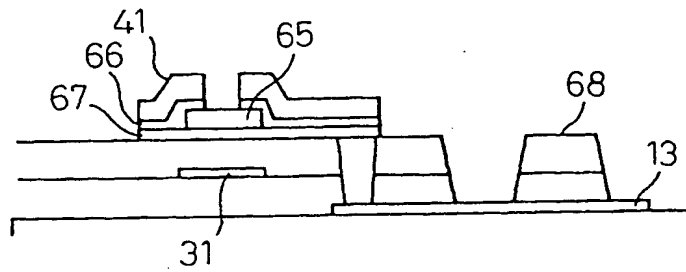


Fig.134A

Fig.134B

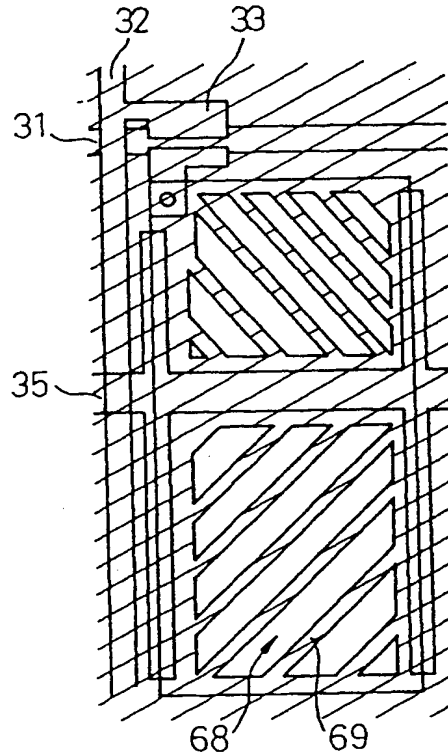
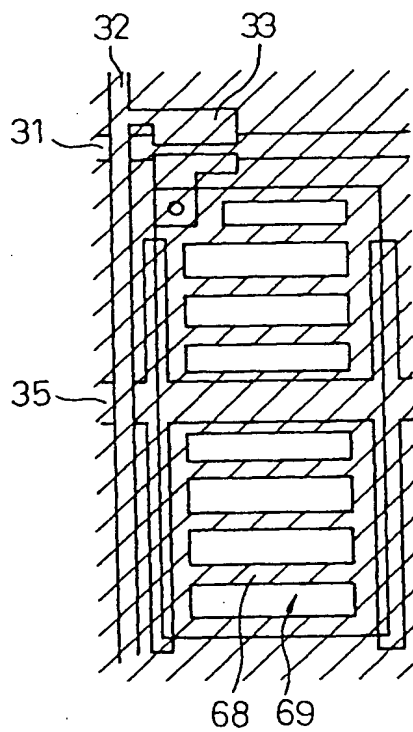


Fig. 135

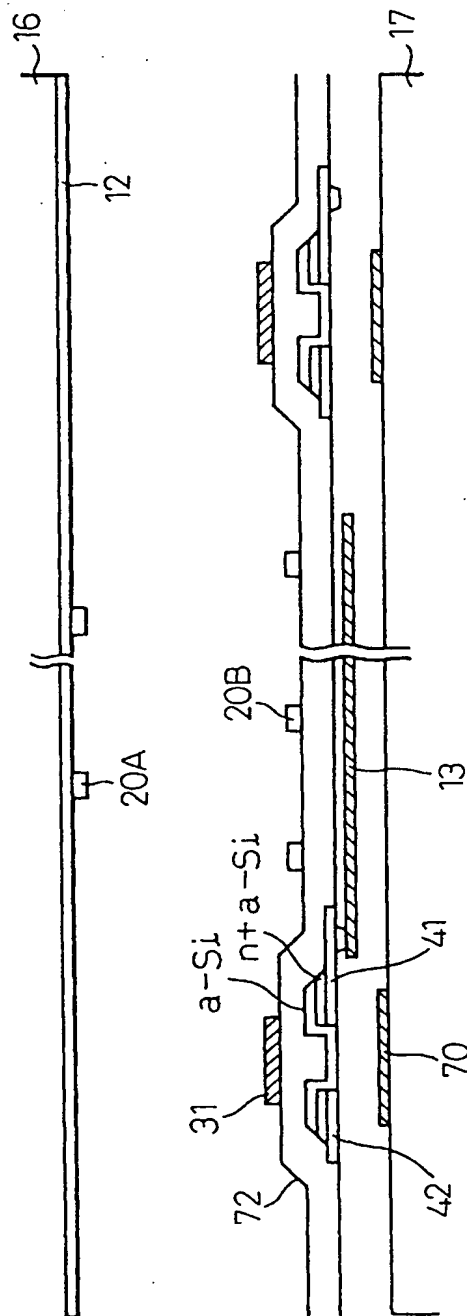


Fig.136A

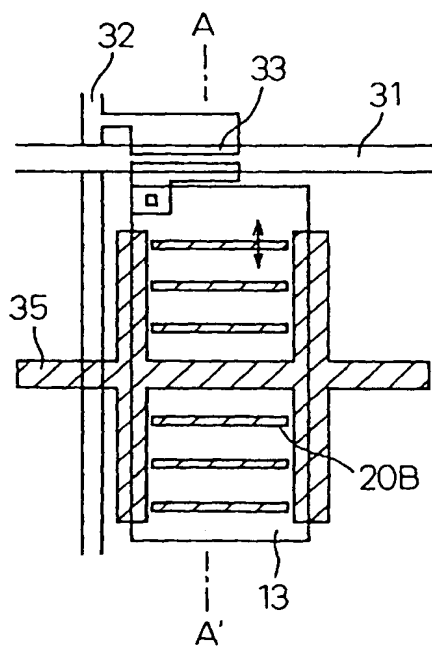
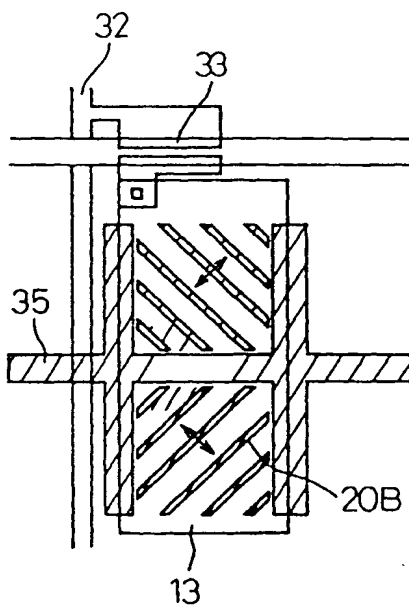


Fig.136B



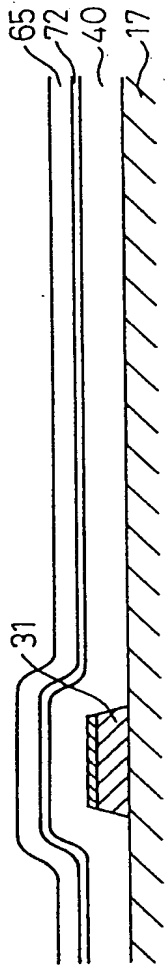


Fig. 137A

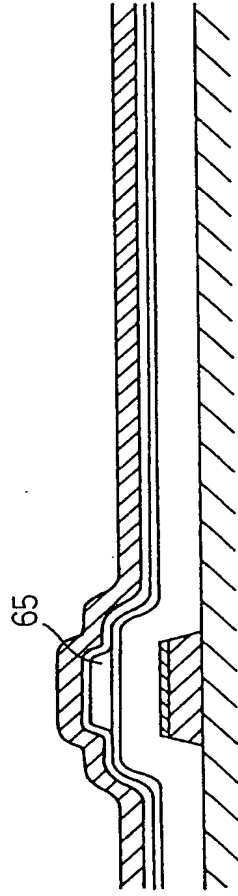


Fig. 137B

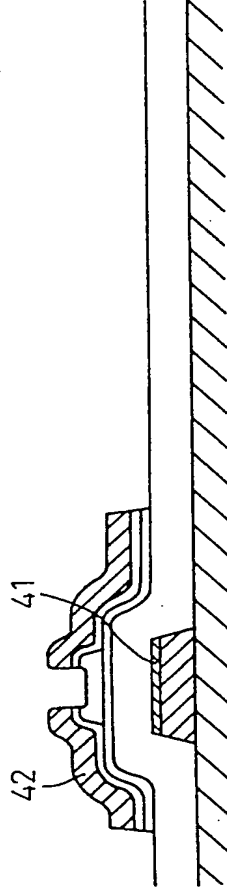


Fig. 137C

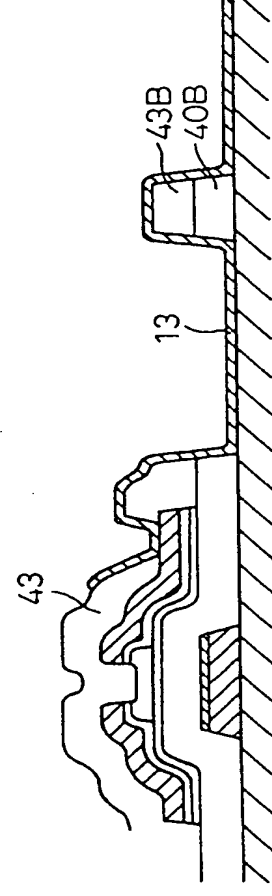


Fig. 137D

楊忠道經理，由於 920617－U1 超薄膜鋁合金高速壓鑄方法
整個製作的過程，客戶所提供的資料並不完整。

故，請創宇公司提供以下的事項：

1、 鋁合金高速壓鑄方法**詳細完整的製作流程**

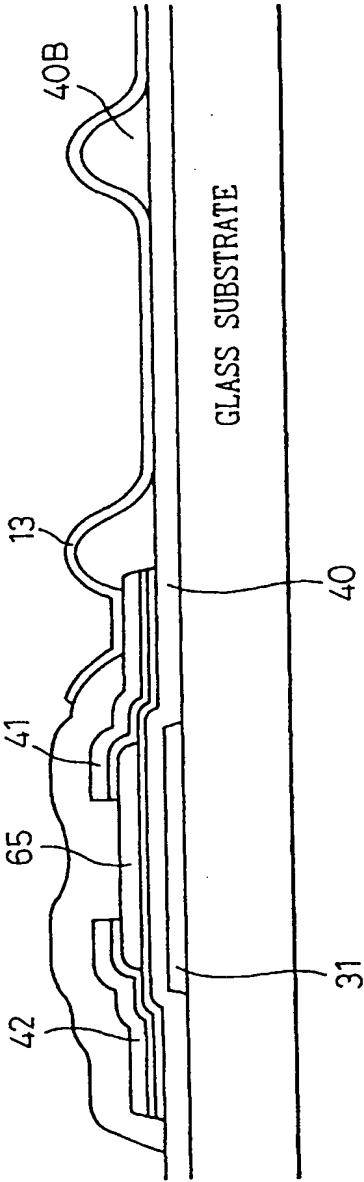
例如：製作的步驟、製作過程及使用的機器。

2、鋁合金高速壓鑄時，**金屬溶液溫度、模具的溫度與射出速度**在製作上參數的設定，及配合製作過程的情形。

從台北所 工程師 周文正 92/11/14 AM10：19

謝謝。

Fig.138



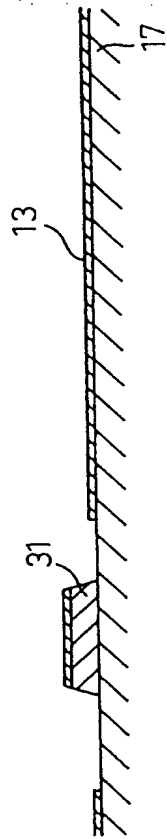


Fig. 139A

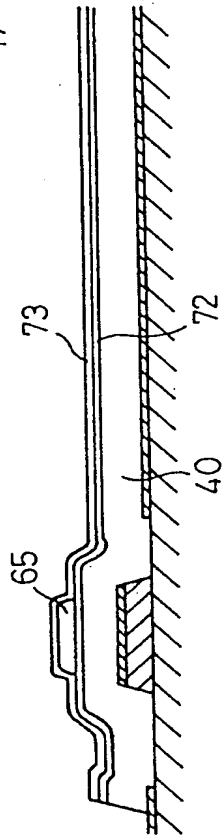


Fig. 139B

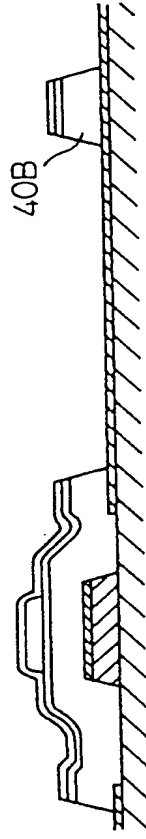


Fig. 139C

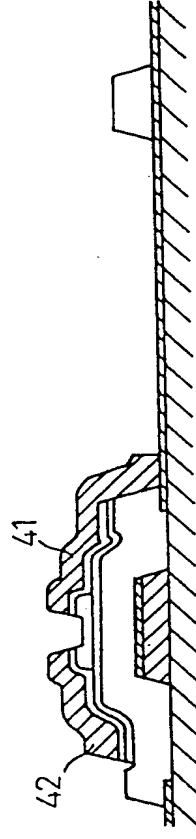


Fig. 139D

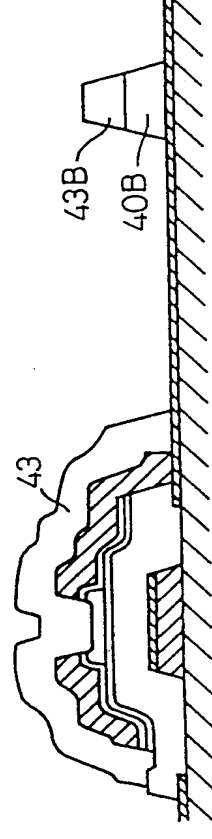


Fig. 139E

Fig.140A

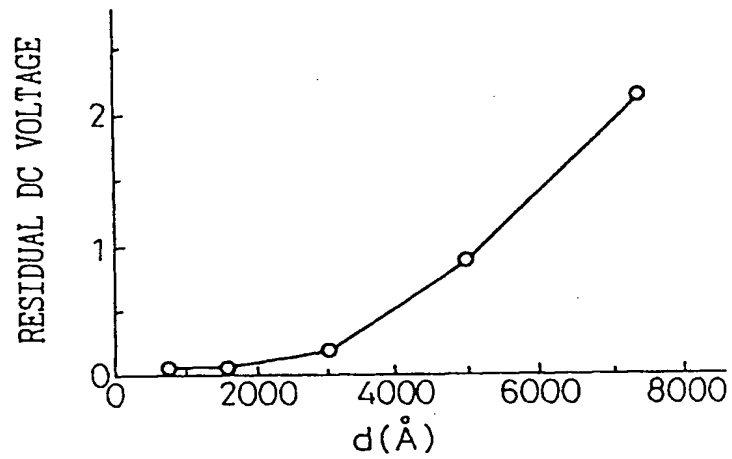


Fig.140B

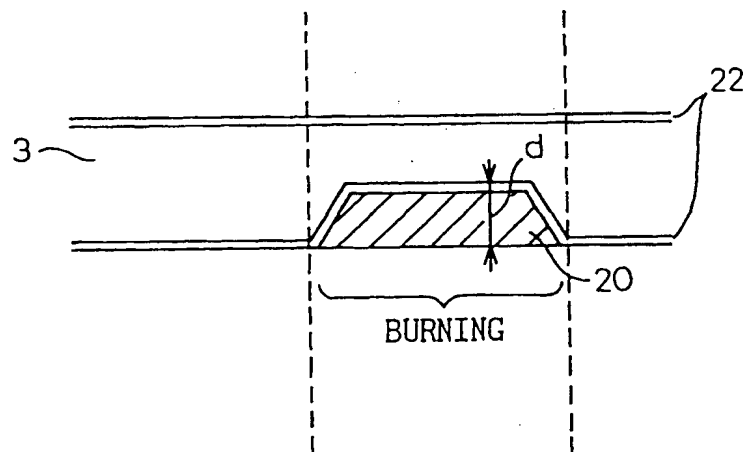


Fig.141A

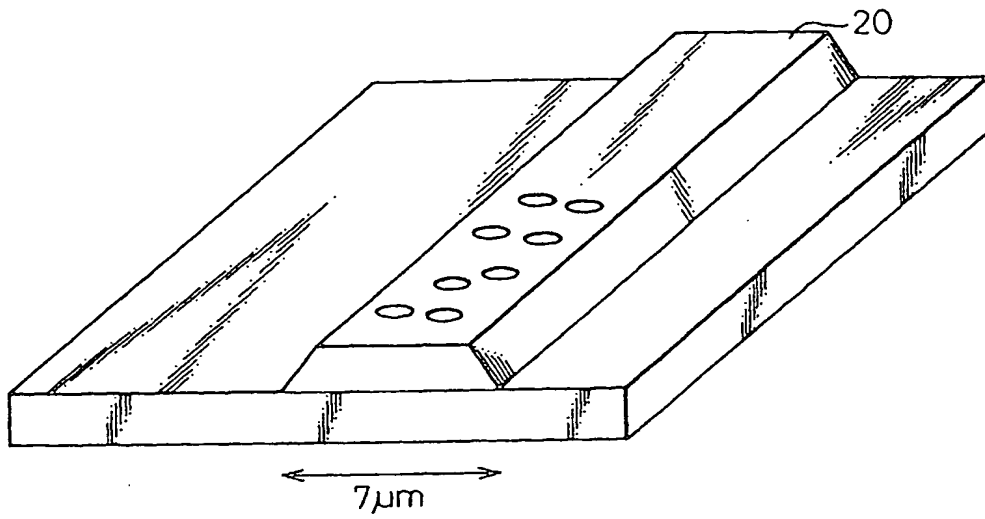


Fig.141B

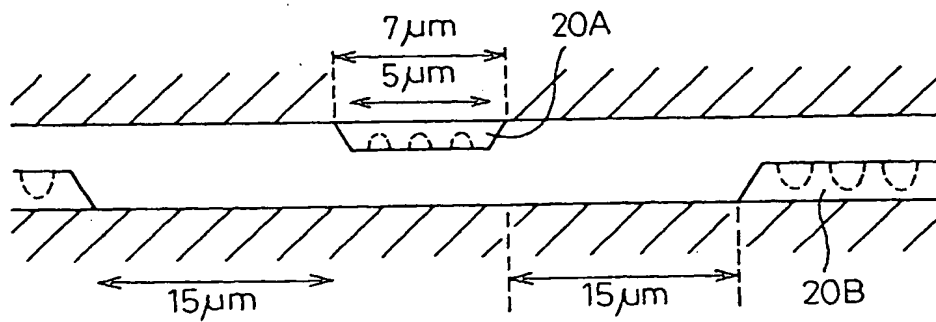


Fig.142A

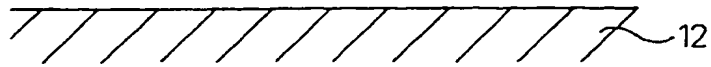


Fig.142B

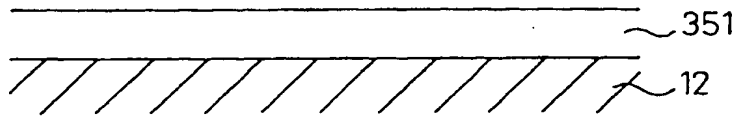


Fig.142C

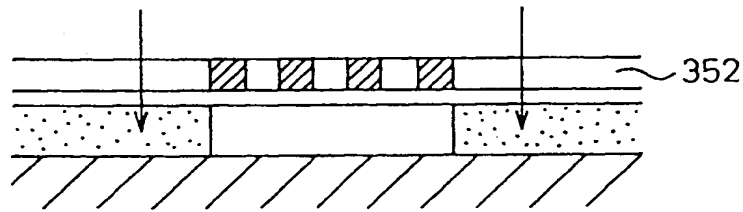


Fig.142D

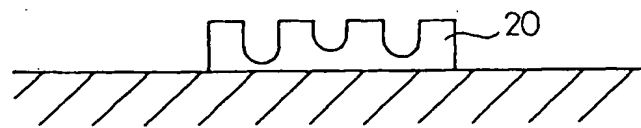


Fig.142E

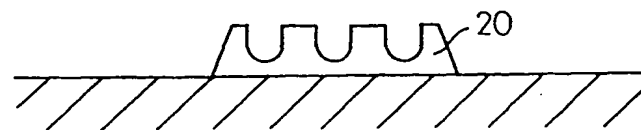


Fig.143

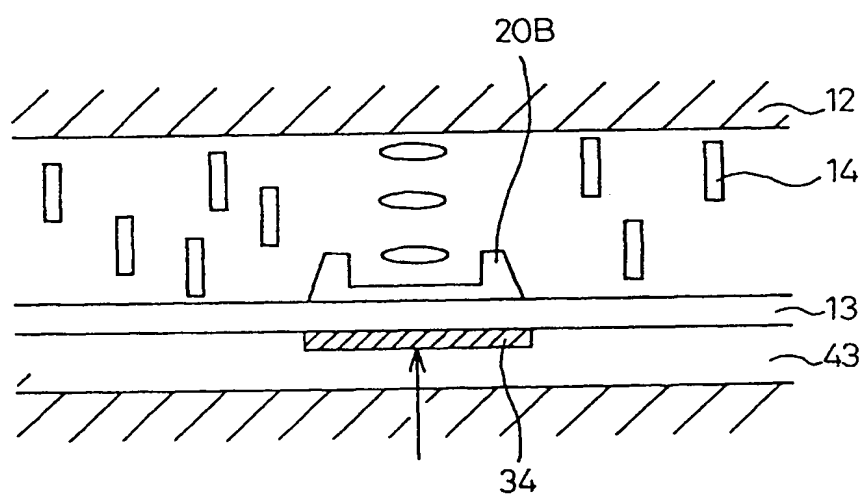


Fig. 144A

BEFORE BAKING

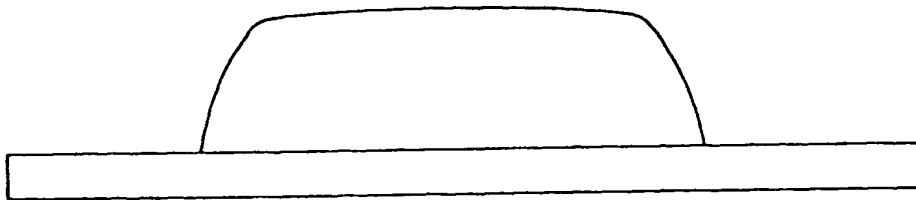
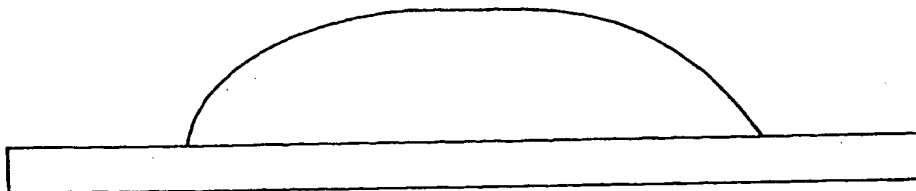


Fig. 144B

AFTER BAKING



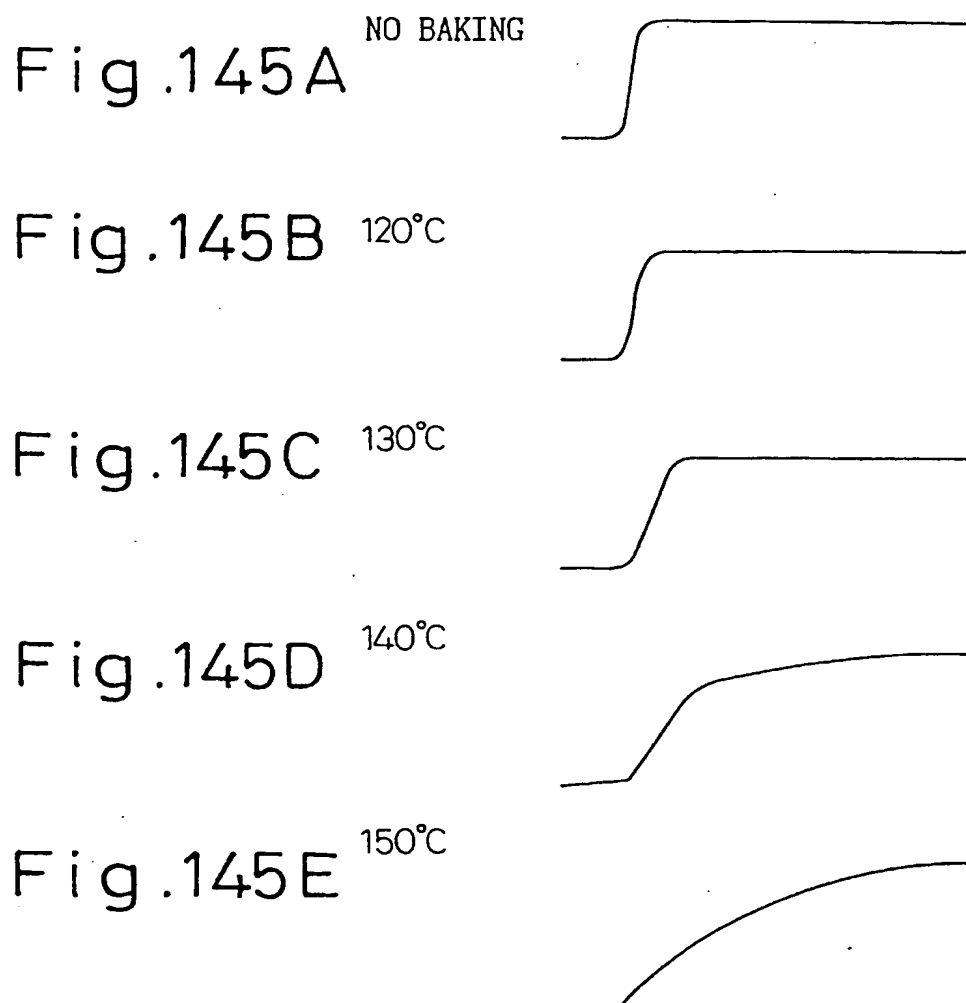


Fig.146A

$2\mu\text{m}$ WIDTH

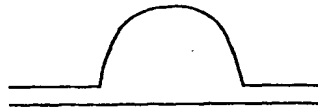


Fig.146B

$5\mu\text{m}$ WIDTH

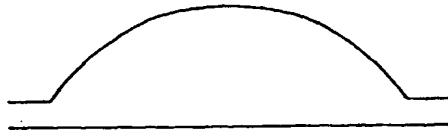


Fig.146C

$10\mu\text{m}$ WIDTH

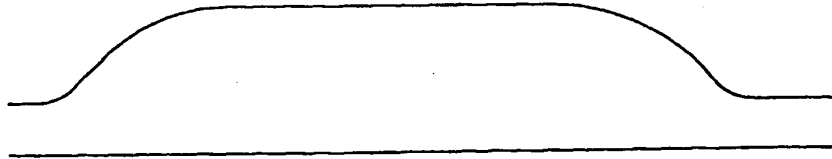


Fig.147A

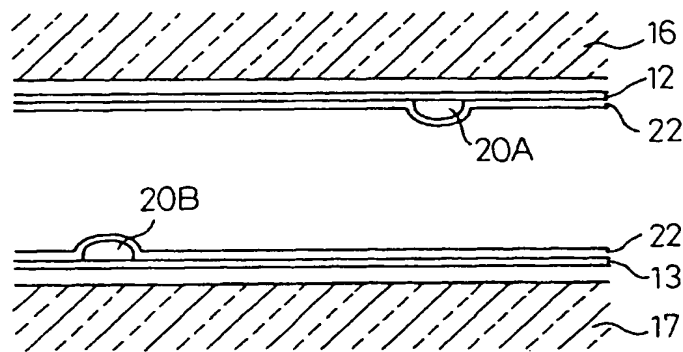


Fig.147B

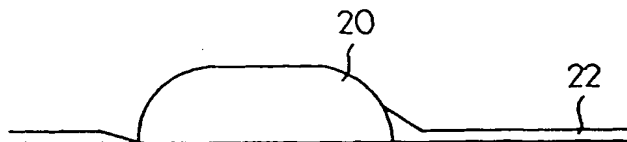


Fig.148A

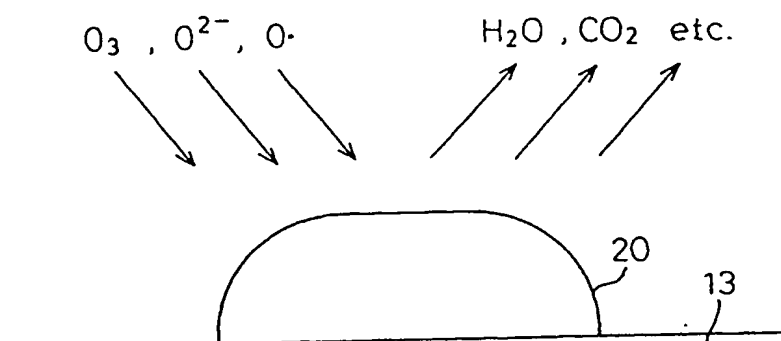


Fig.148B

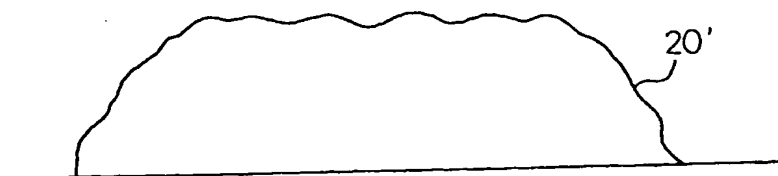


Fig.148C

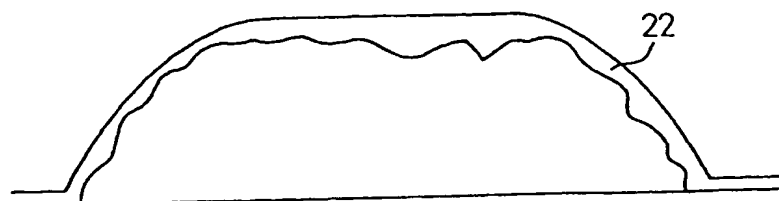


Fig.149A

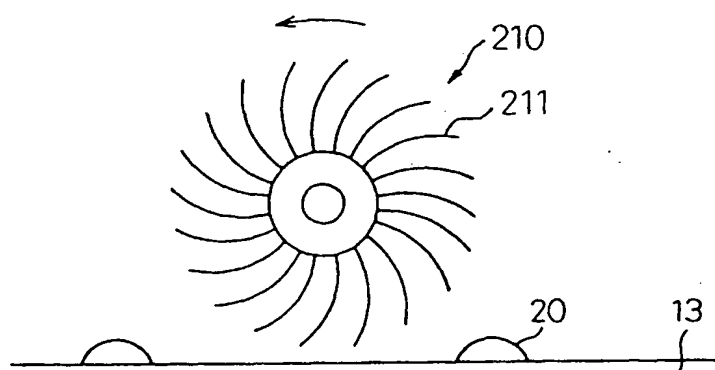


Fig.149B

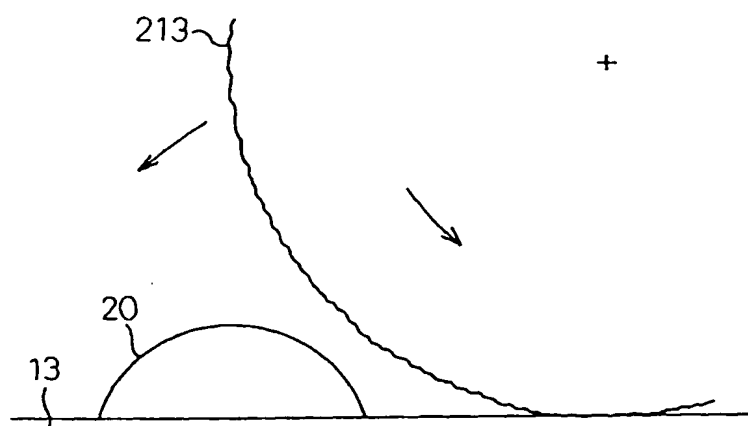


Fig.150

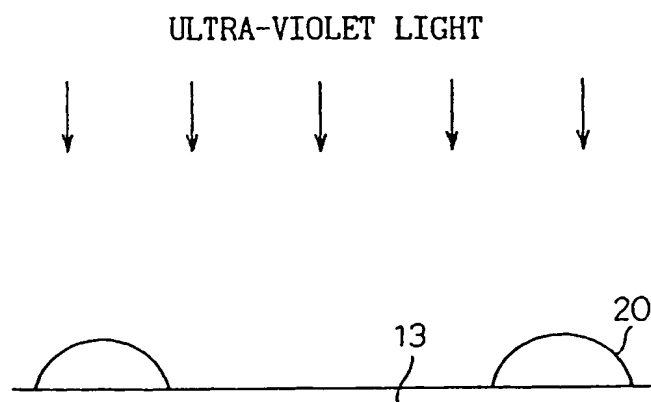


Fig.151A

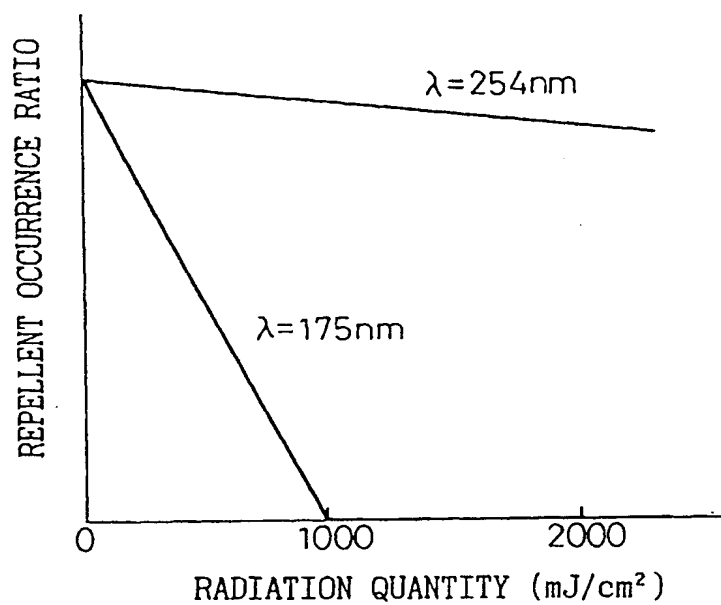


Fig.151B

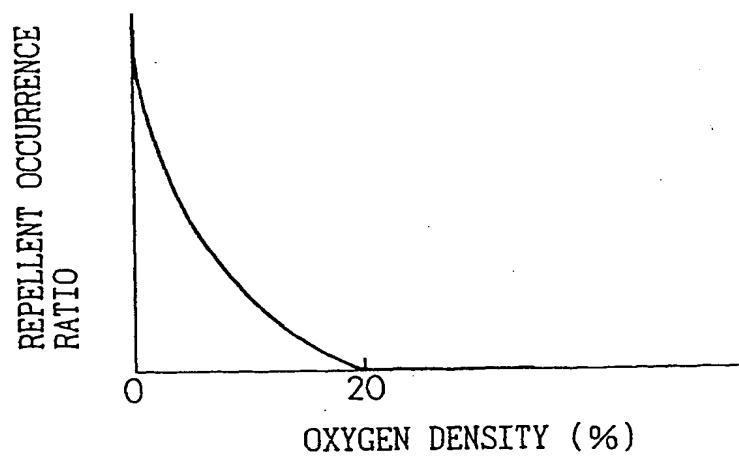


Fig.152A

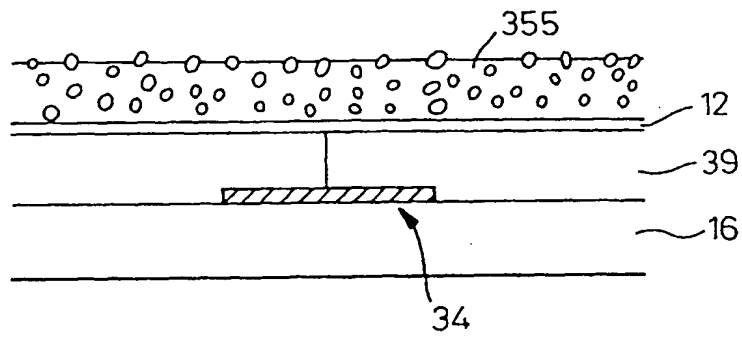


Fig.152B

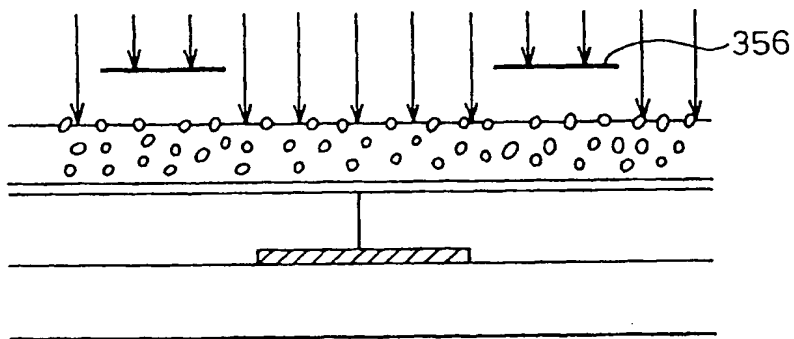


Fig.152C

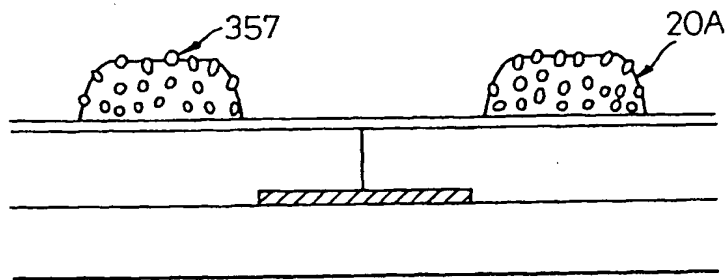


Fig.153A

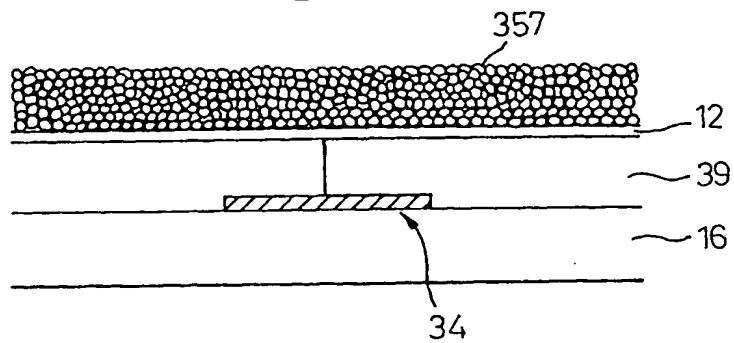


Fig.153B

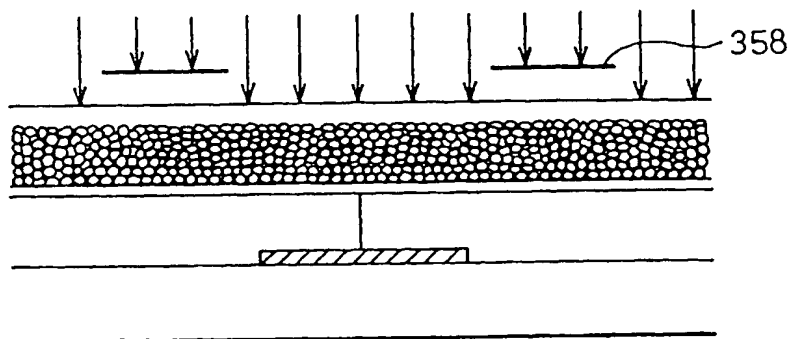


Fig.153C

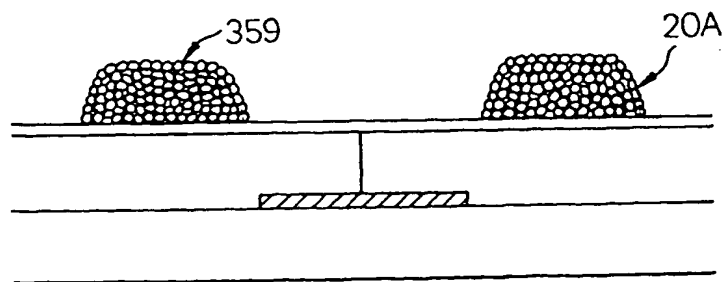


Fig.154A

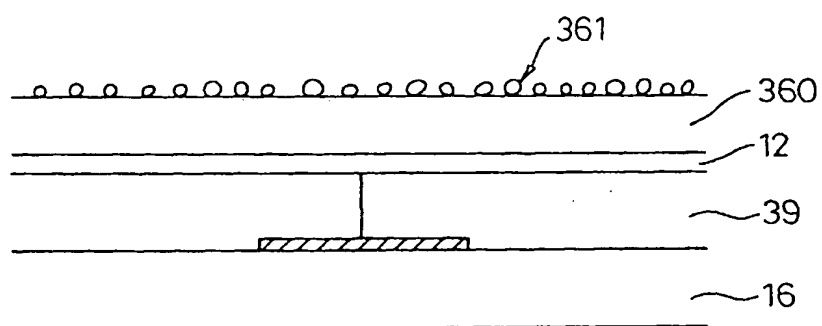


Fig.154B

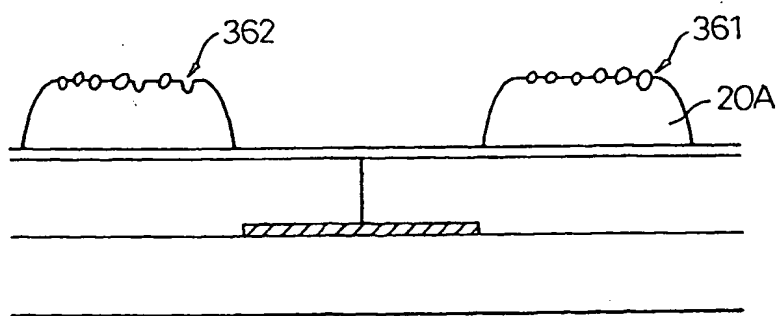


Fig.155A

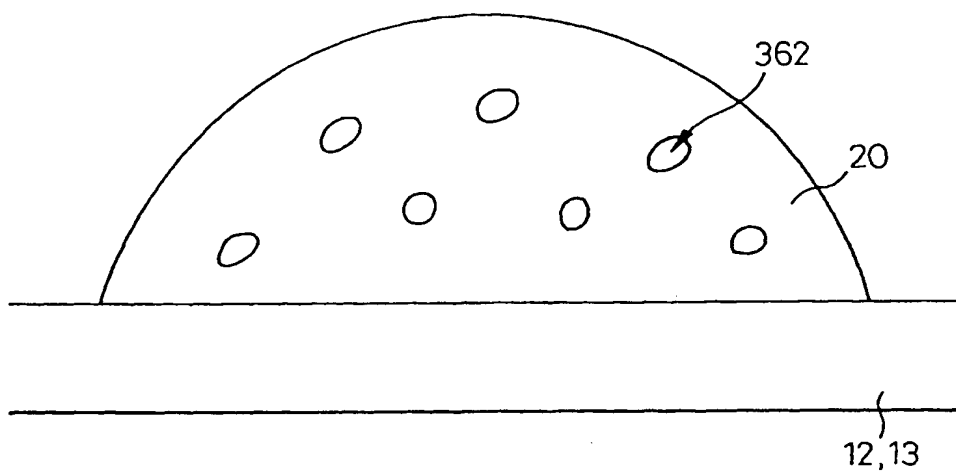


Fig.155B

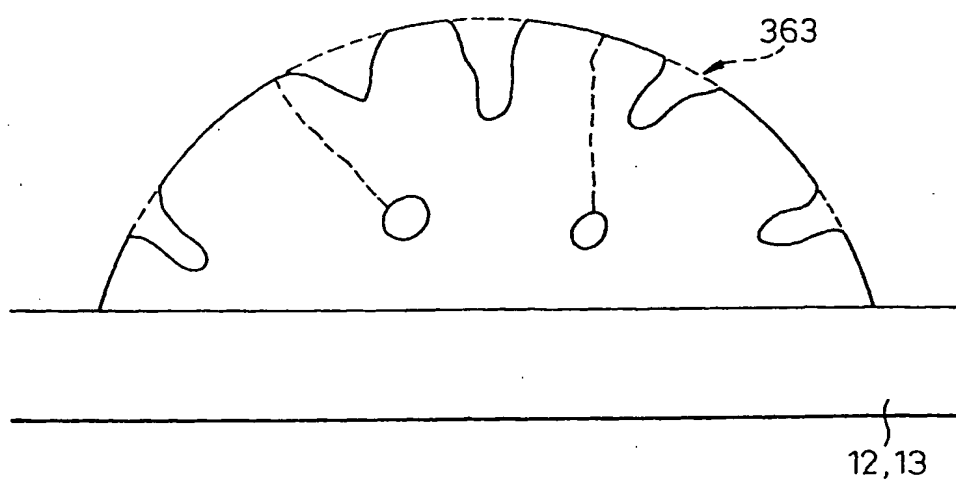


Fig.156

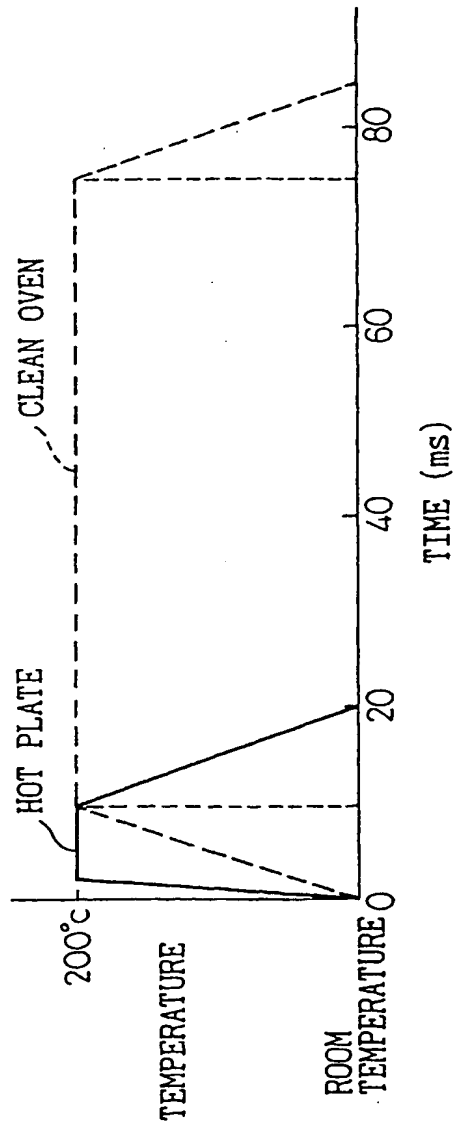


Fig.157A

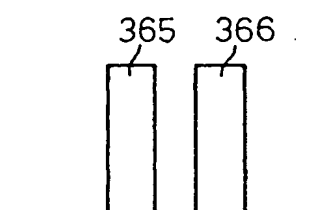


Fig.157B



Fig.157C

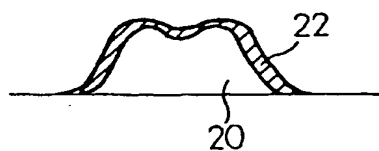


Fig.158

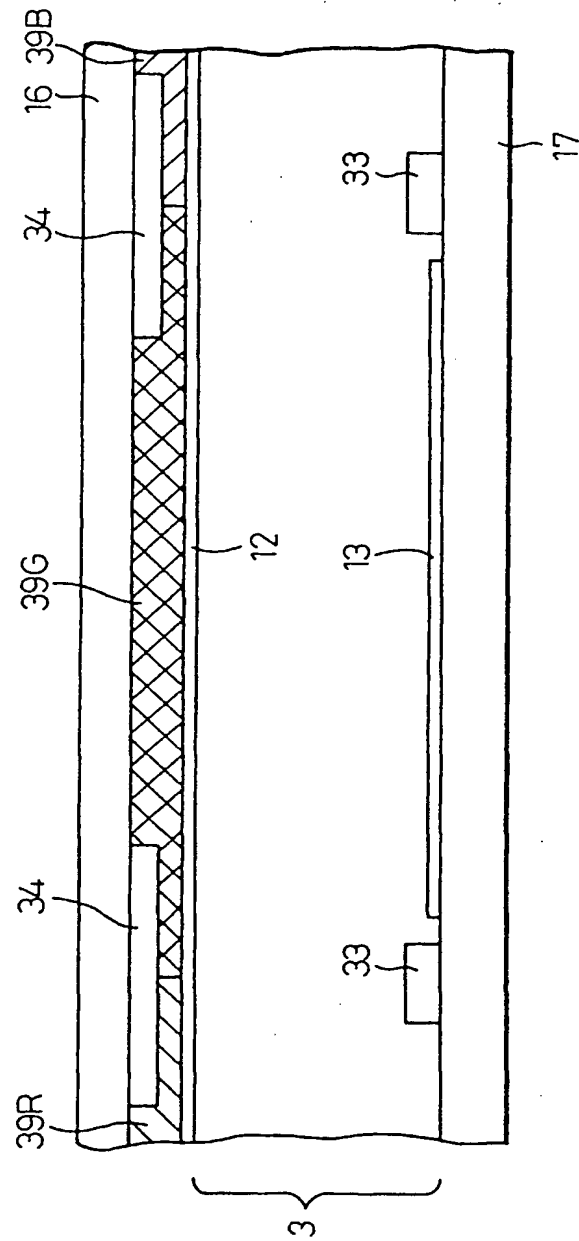


Fig. 159

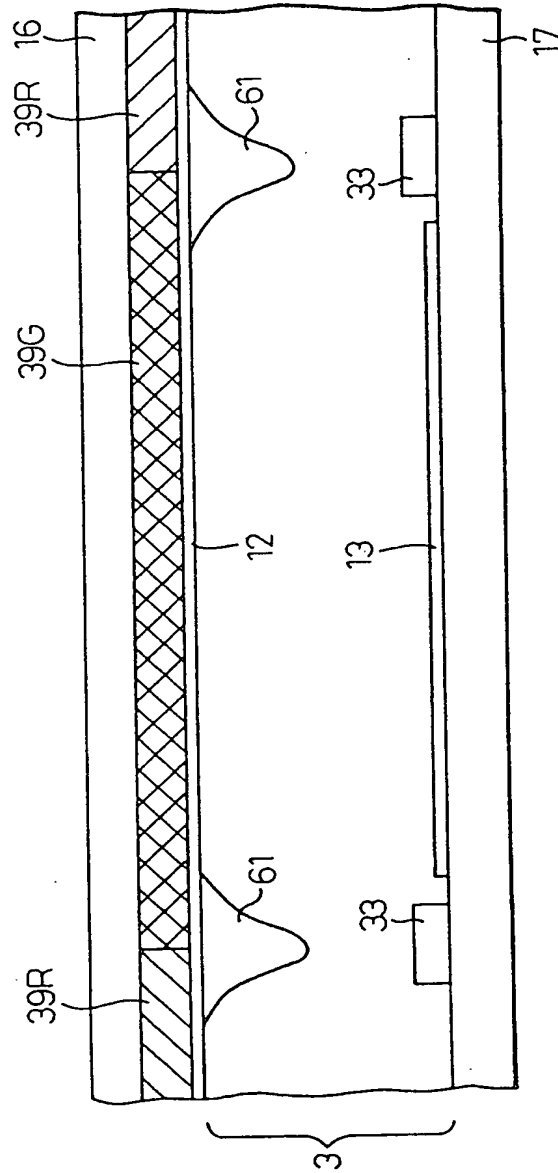


Fig.160

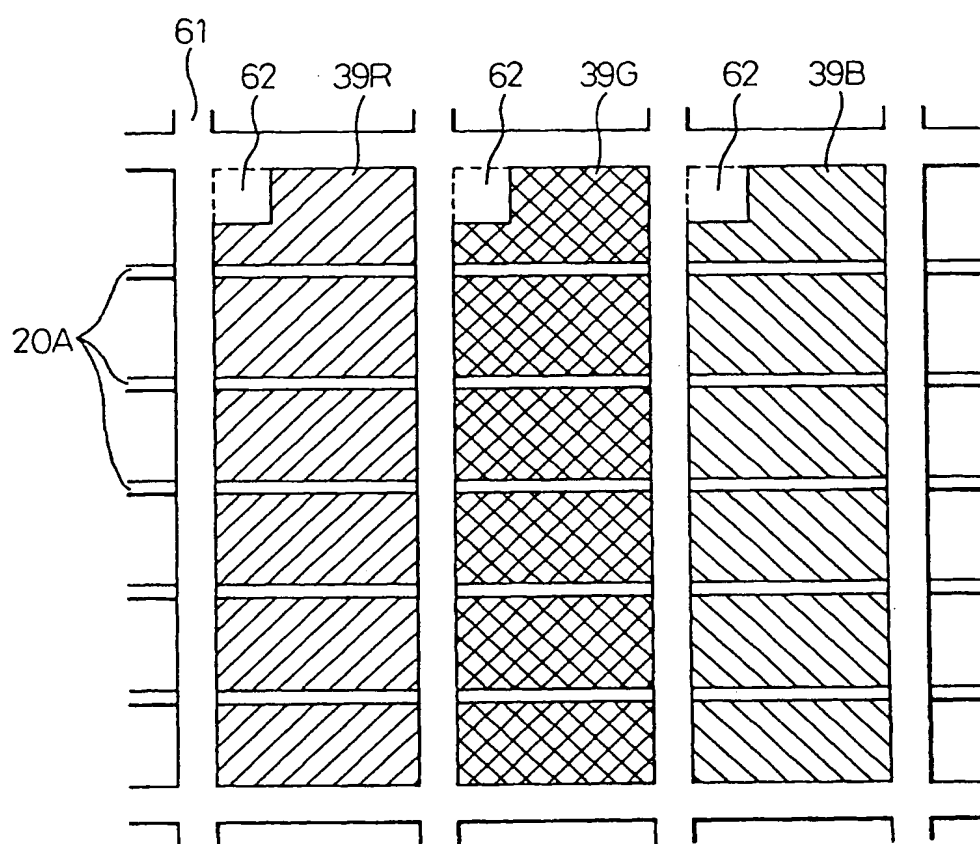


Fig.160

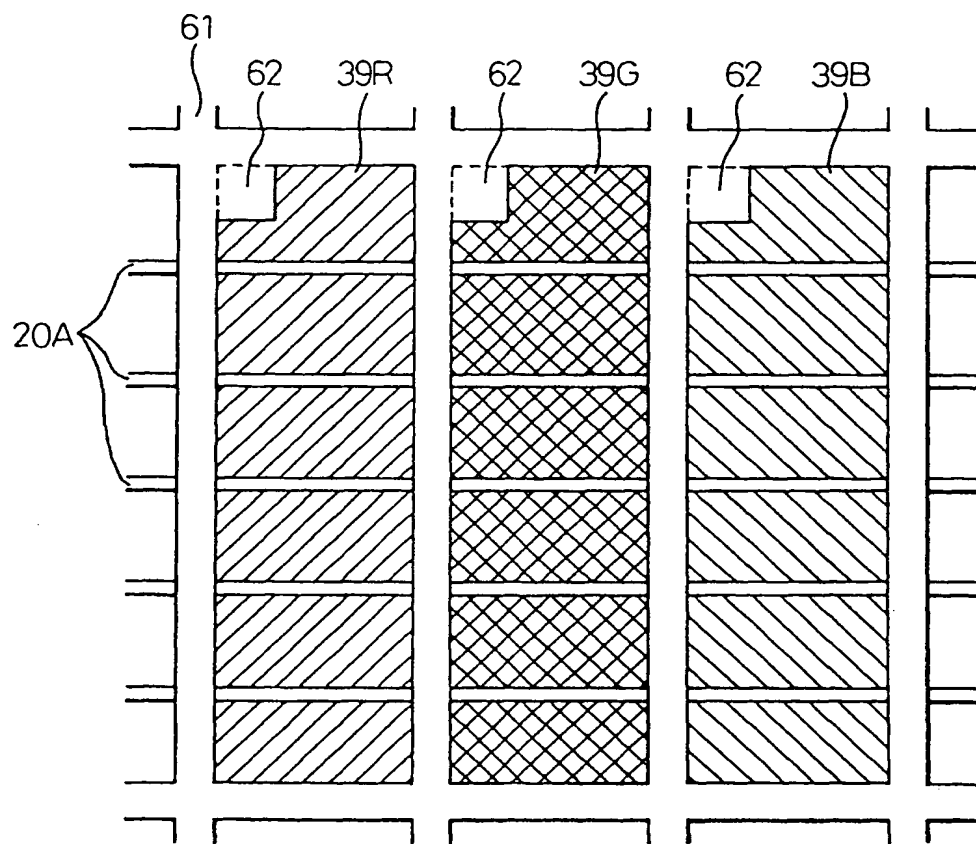


Fig.162

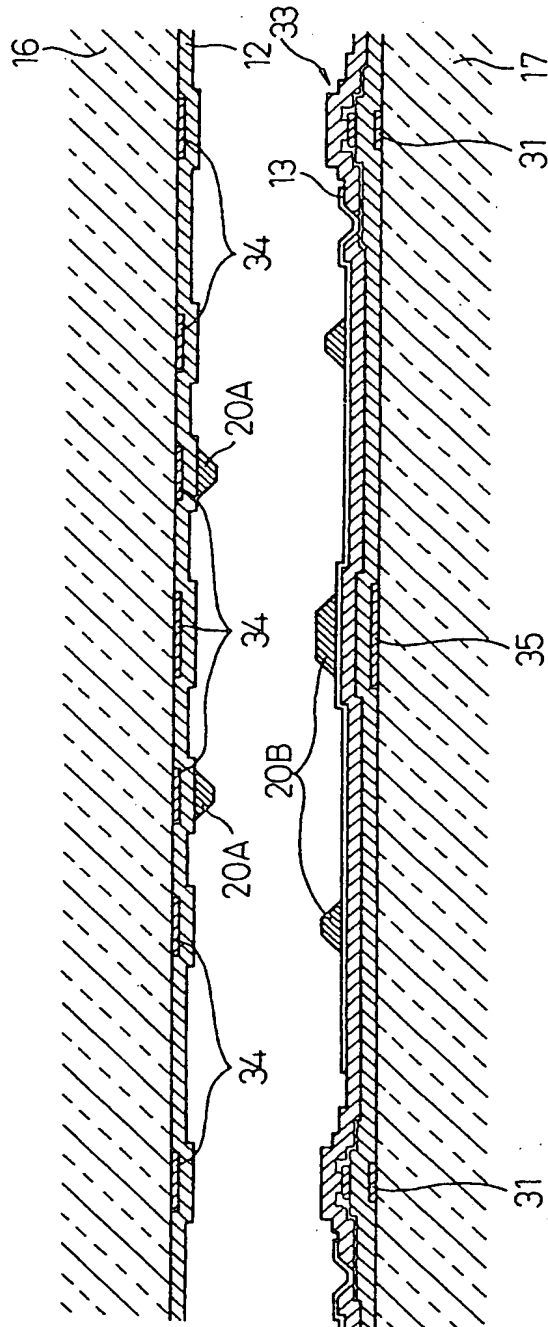


Fig.161

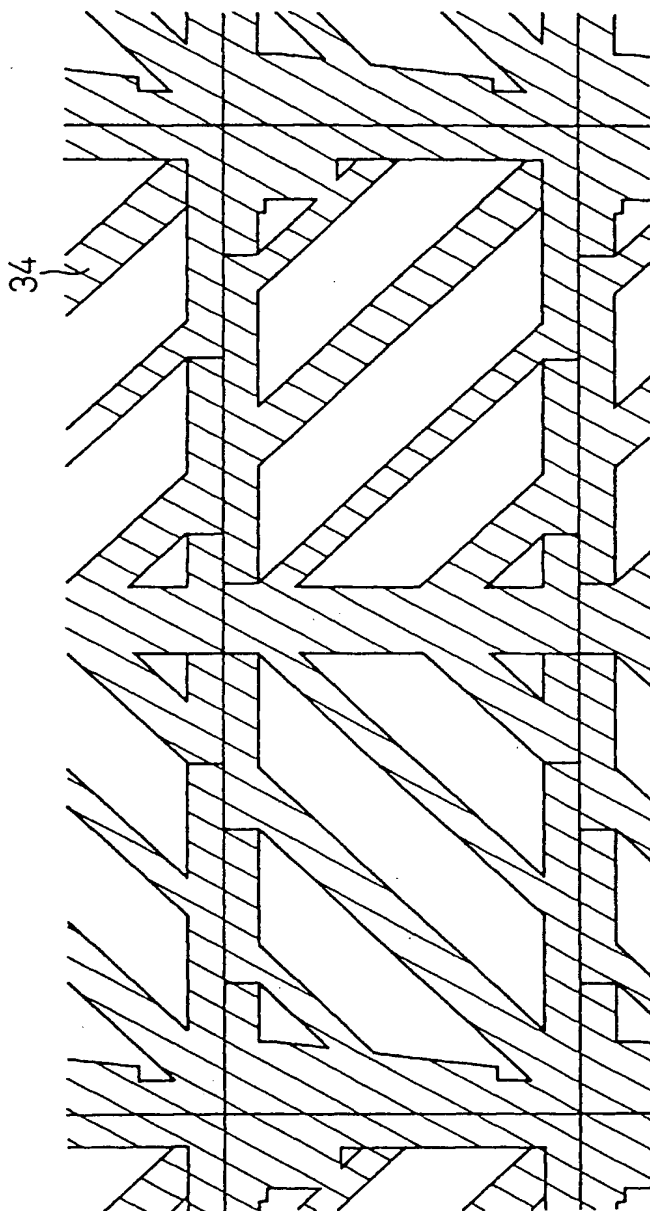


Fig.163

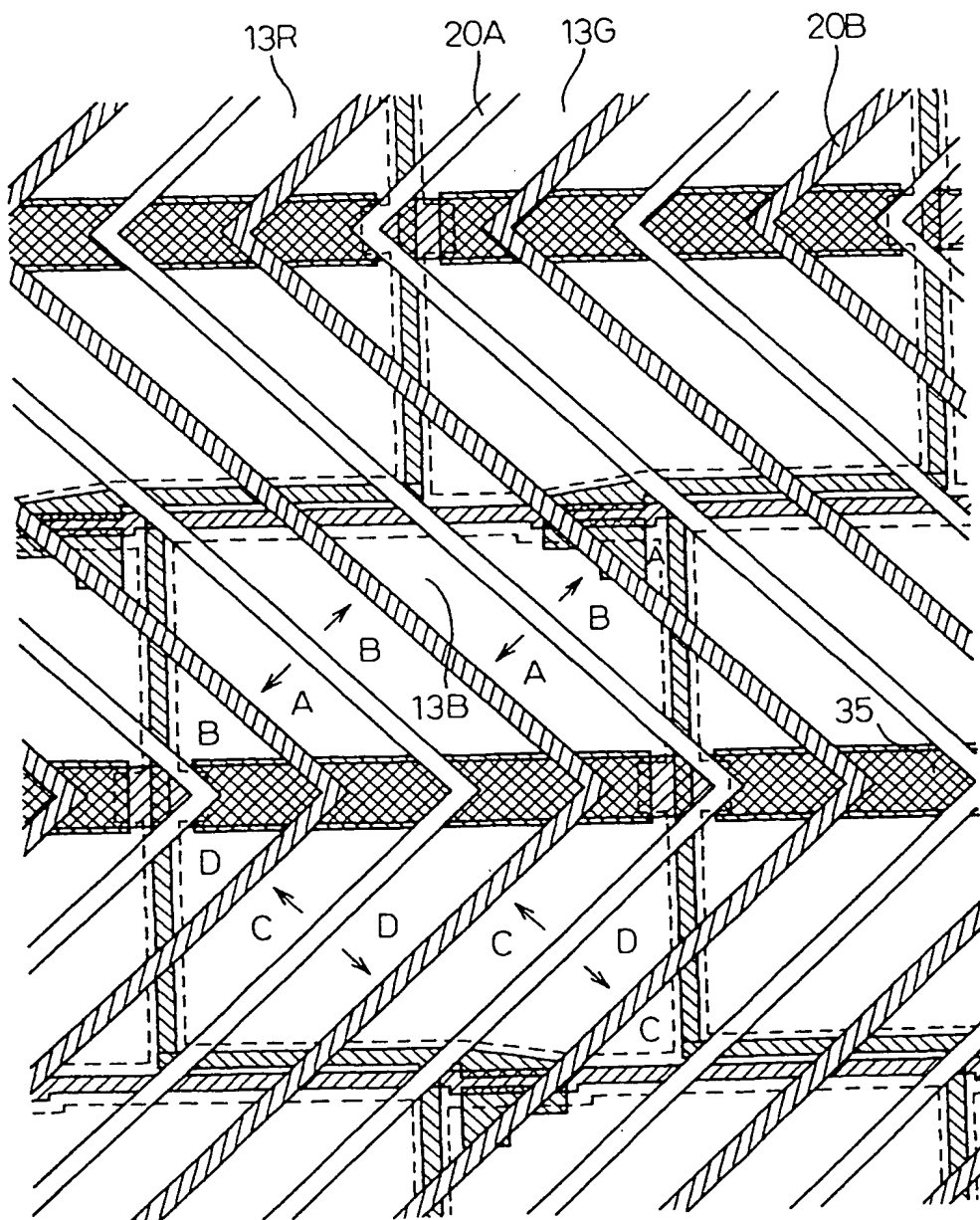


Fig. 164

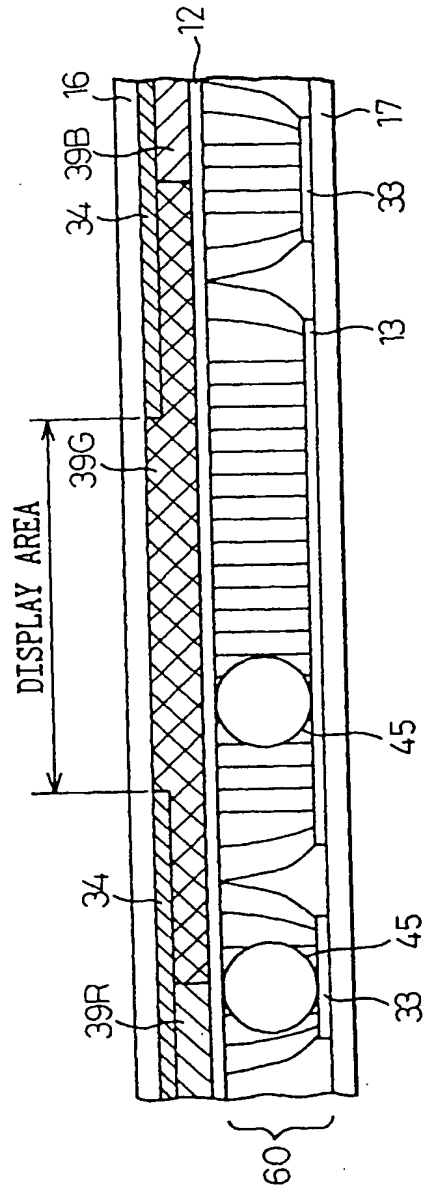


Fig. 165A

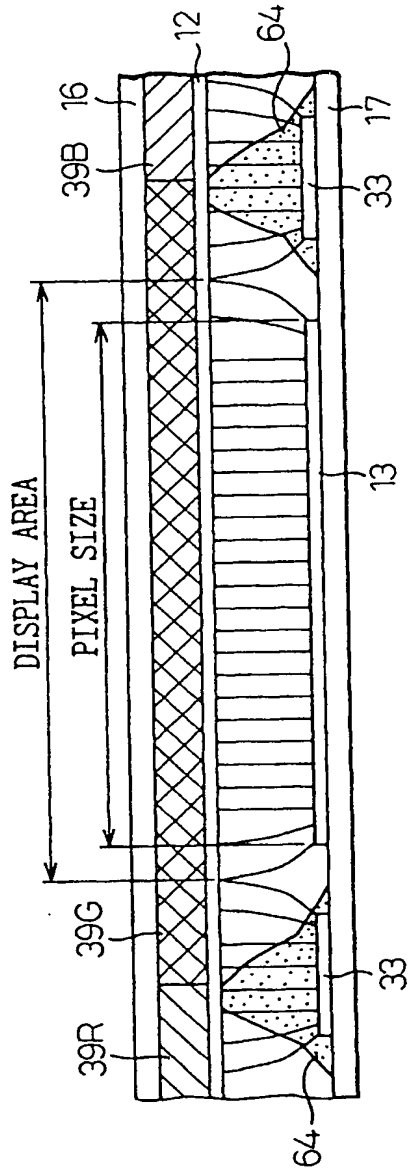


Fig. 165B

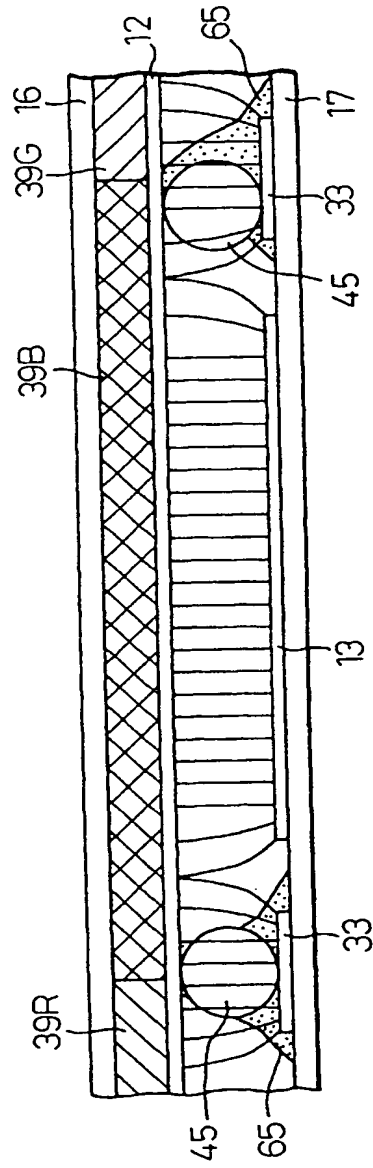


Fig. 166A

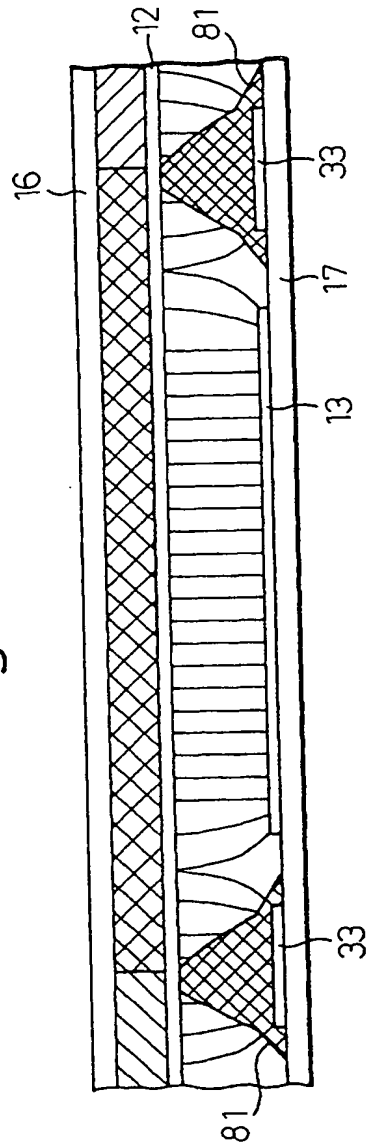


Fig. 166B

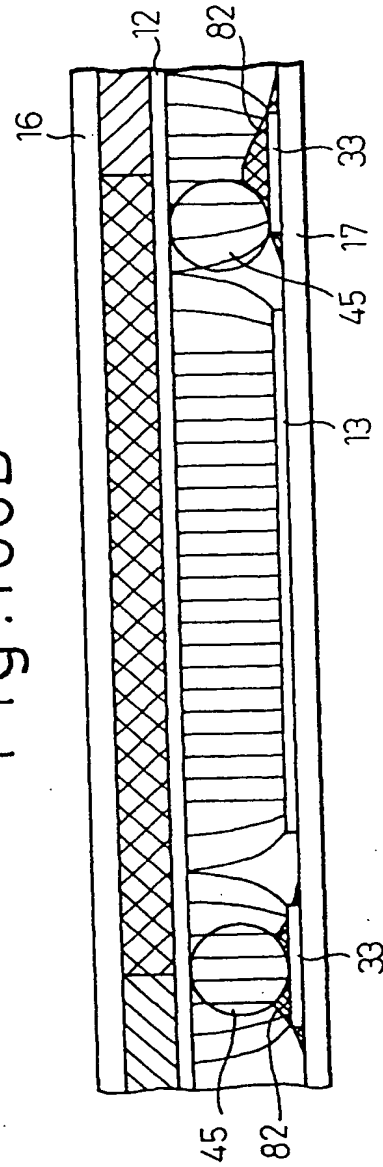


Fig.167

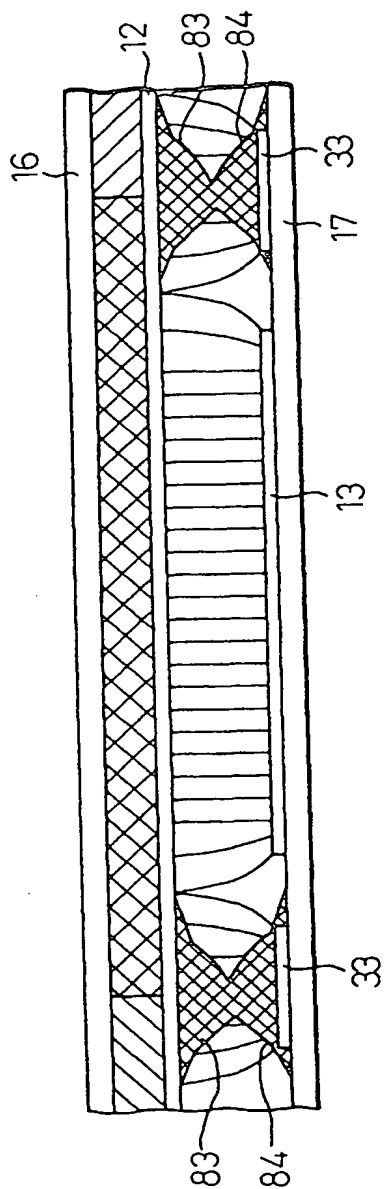


Fig.168A

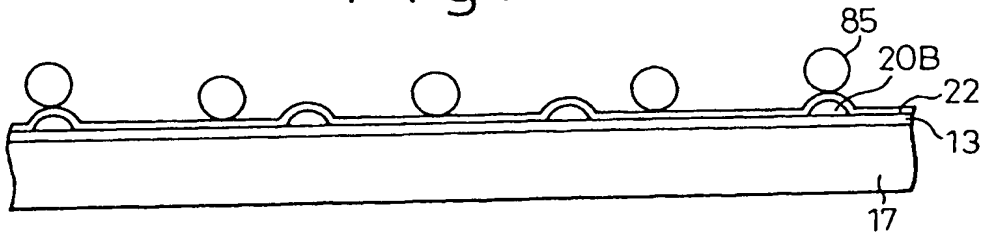


Fig.168B

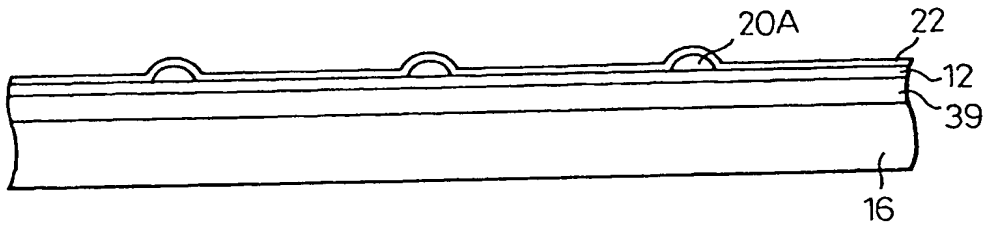


Fig.168C

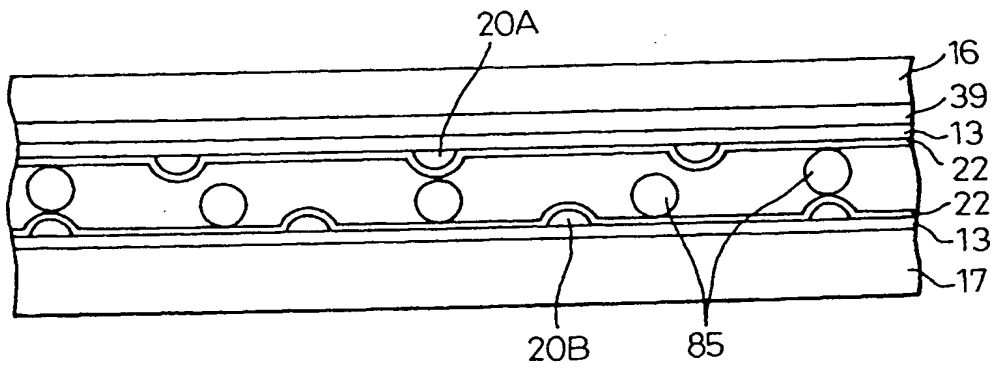


Fig. 169

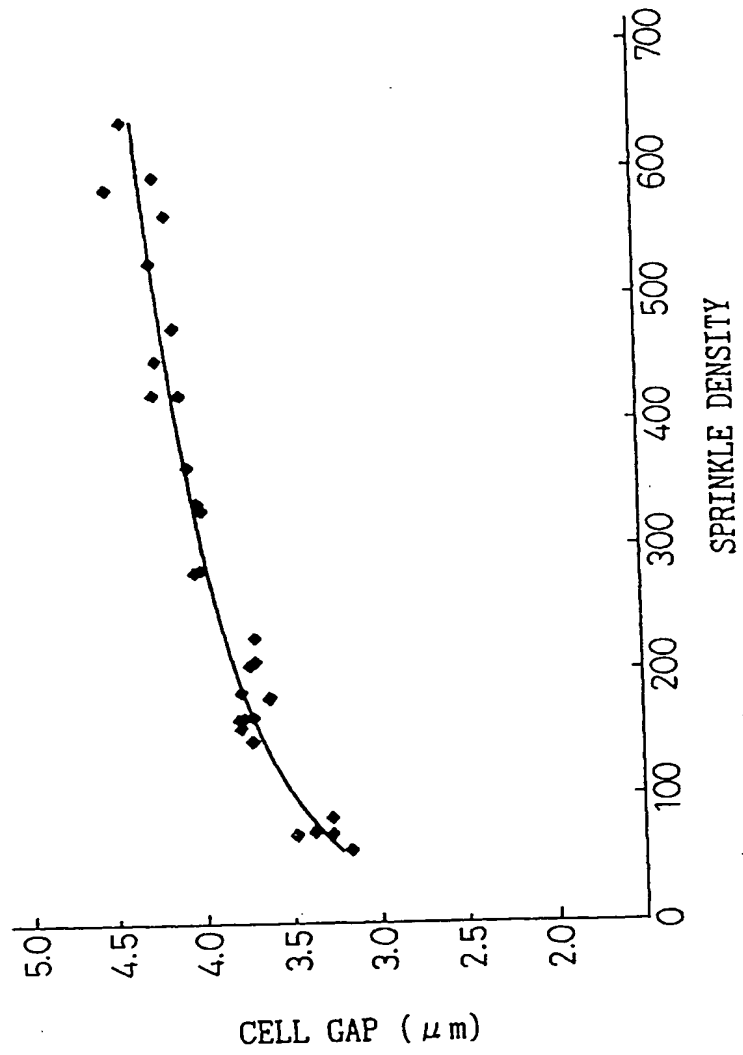
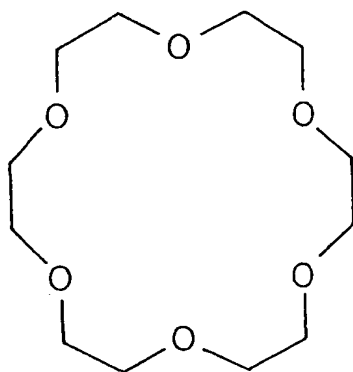


Fig. 170

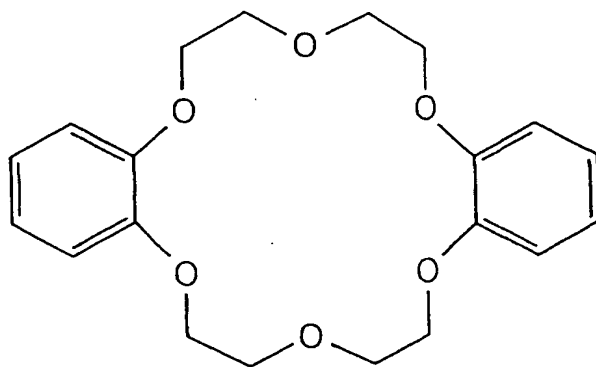
SPRINKLE DENSITY OF SPACERS (NUMBERS/mm ²)	50	100	150	200	250	300	350	400	450	500	550
BLEMISH OCCURRENCE DUE TO PUSHING	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
BLEMISH OCCURRENCE DUE TO PULLING	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	YES

Fig.171A



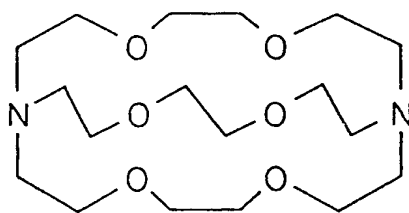
18-CROWN-6

Fig.171B



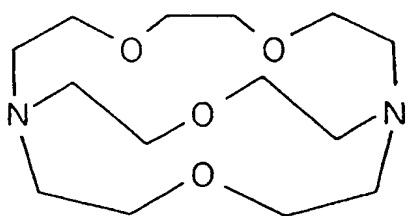
DIBENZOYL-18-CROWN-6

Fig.172A



CRYPTAND [2.2.2]

Fig.172B



CRYPTAND [2.1.1]

Fig.173A

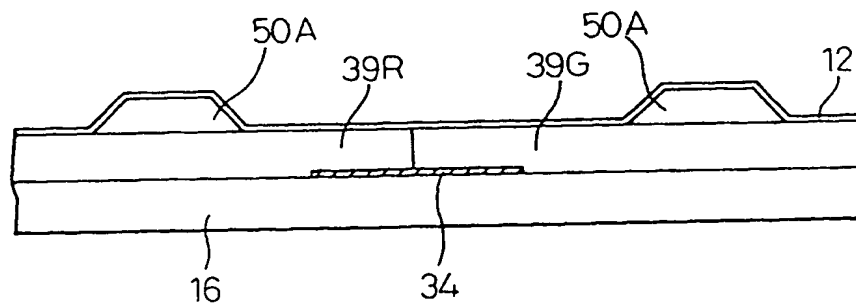


Fig.173B

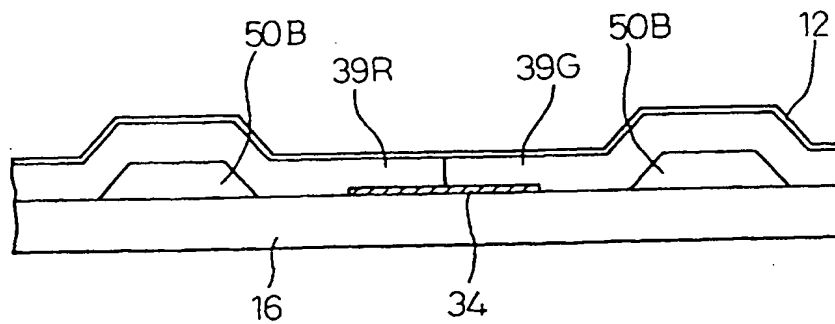


Fig.174

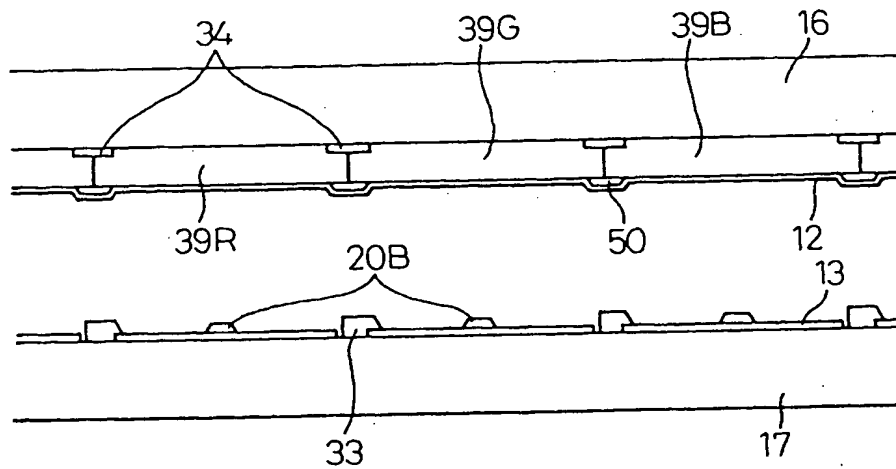


Fig.175A

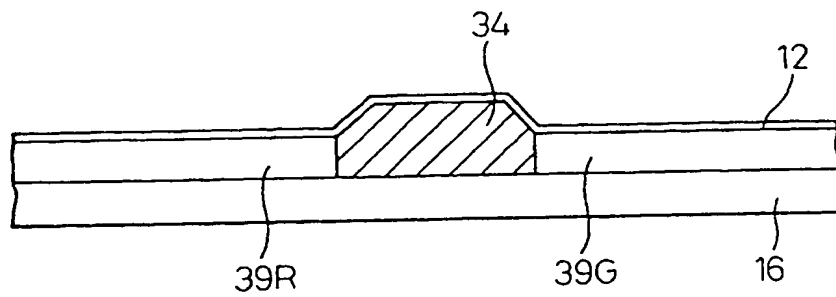


Fig.175B

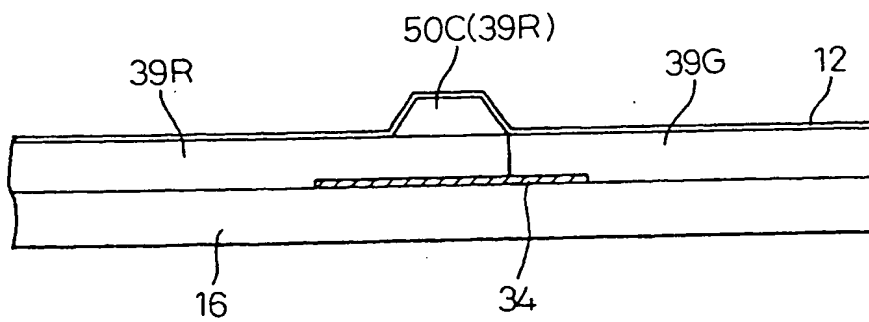


Fig.176A

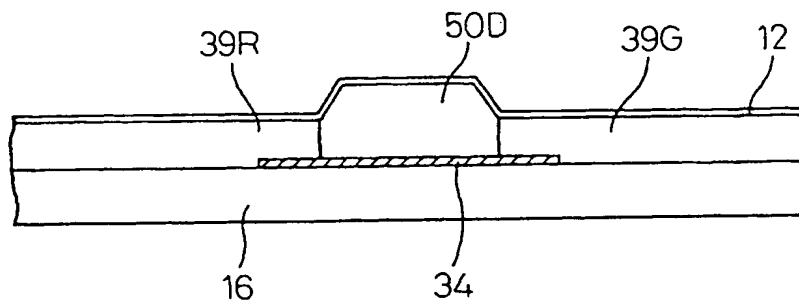


Fig.176B

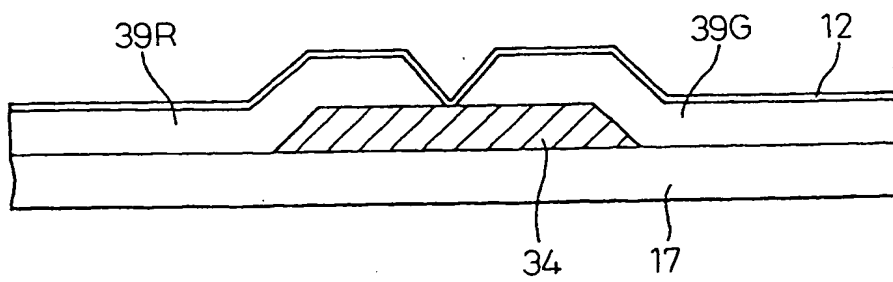


Fig.177A

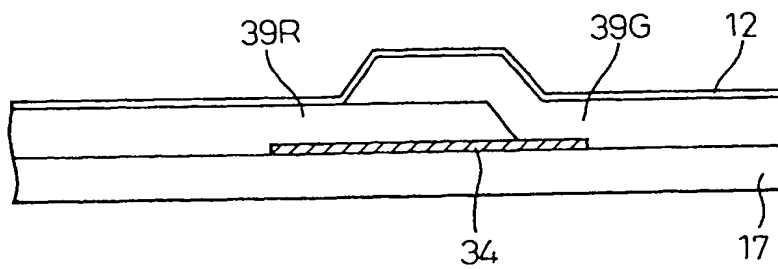


Fig.177B

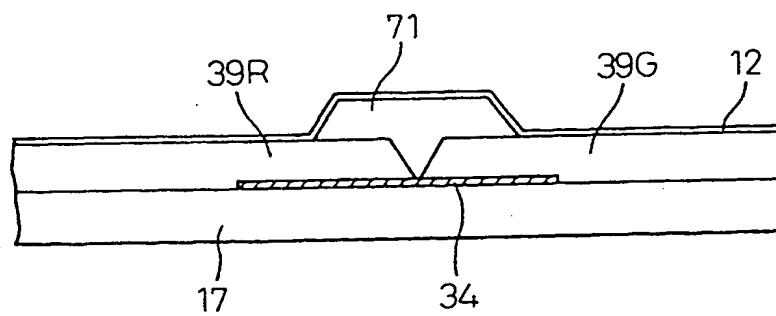


Fig.178

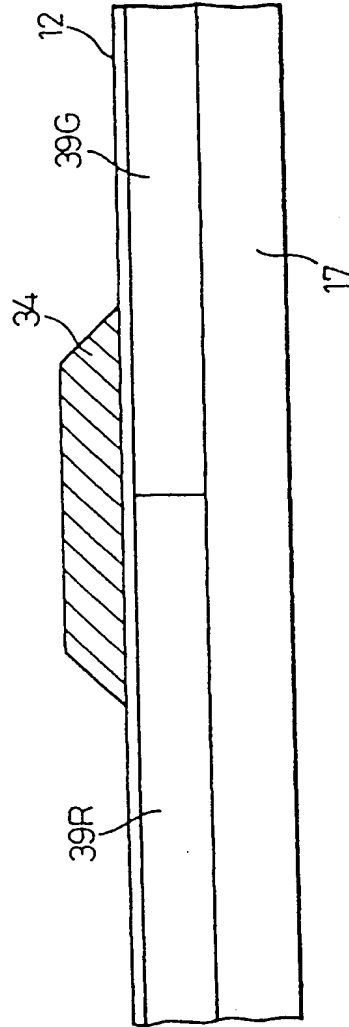


Fig.179A

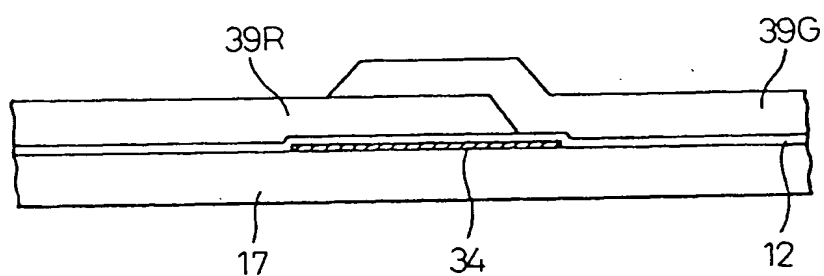


Fig.179B

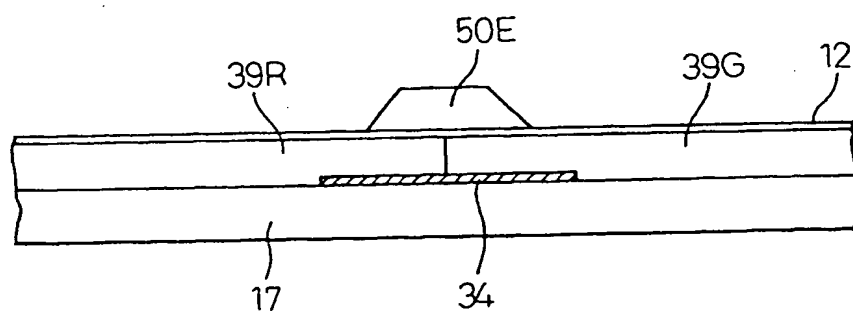


Fig.180A

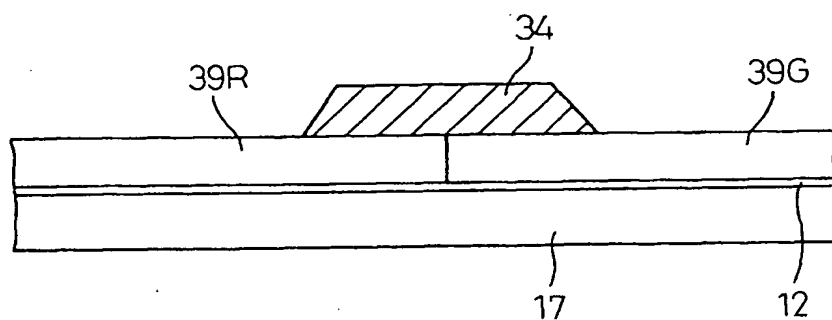


Fig.180B

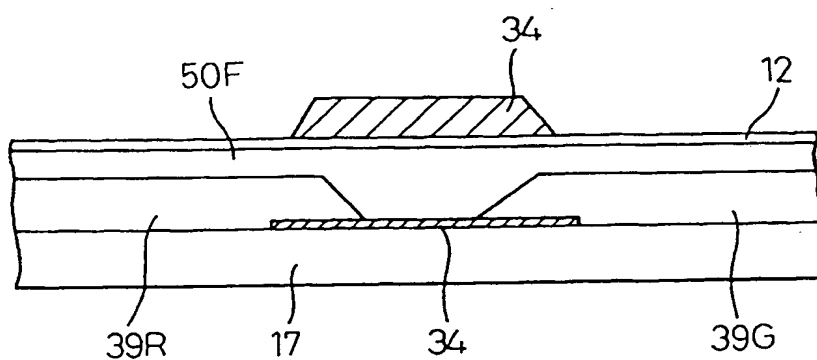


Fig.181A

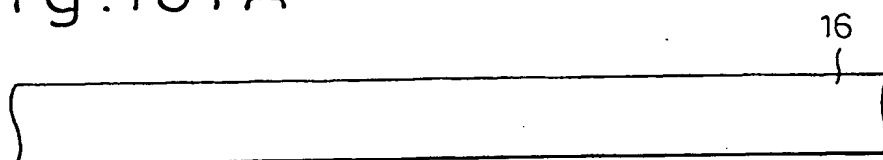


Fig.181B

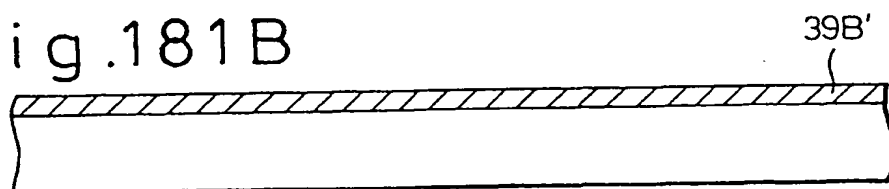


Fig.181C

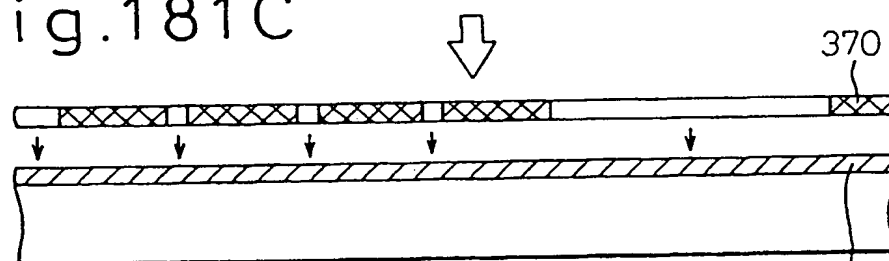


Fig.181D

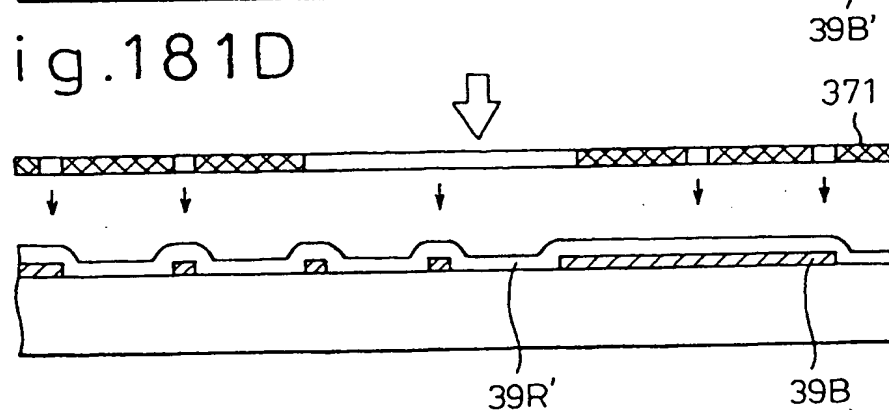


Fig.181E

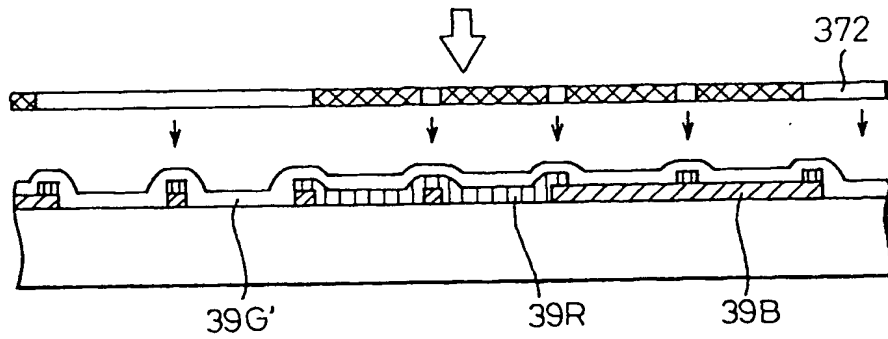


Fig.181F

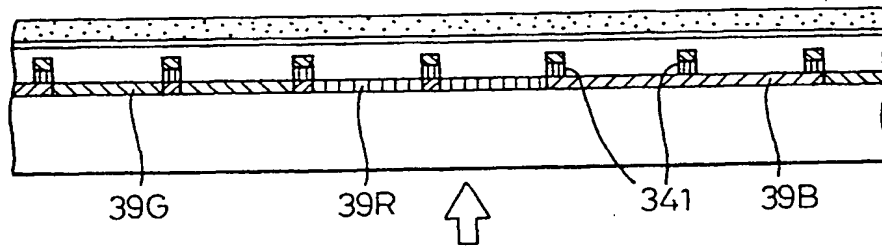


Fig.181G

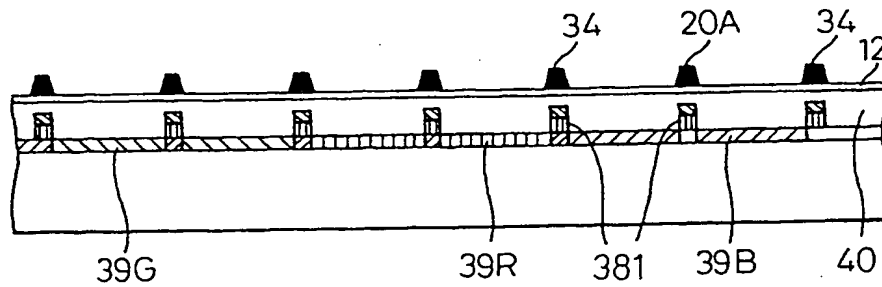


Fig.182

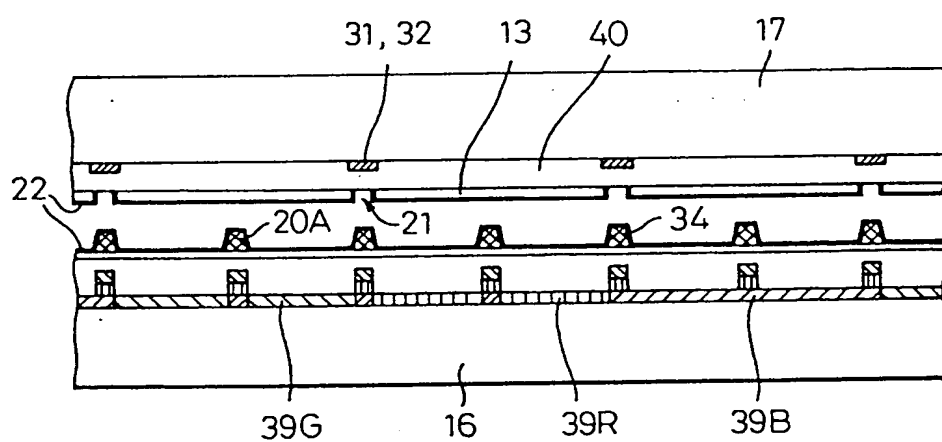


Fig.183A

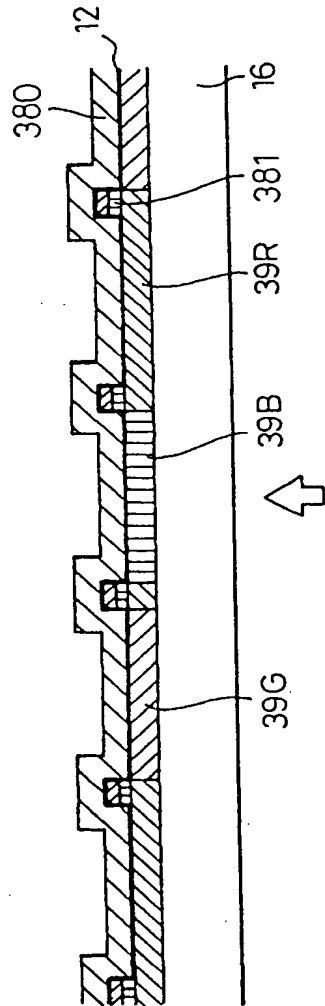
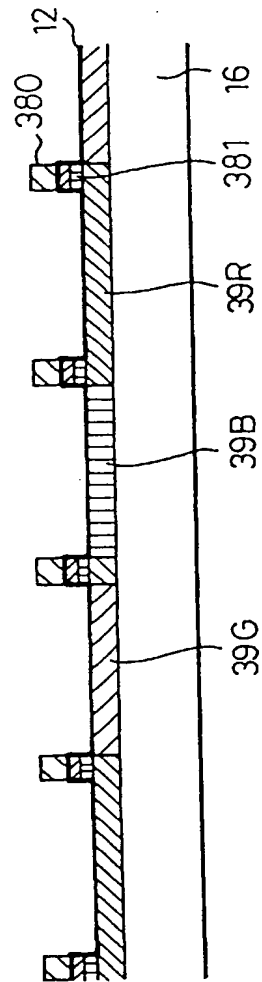


Fig.183B



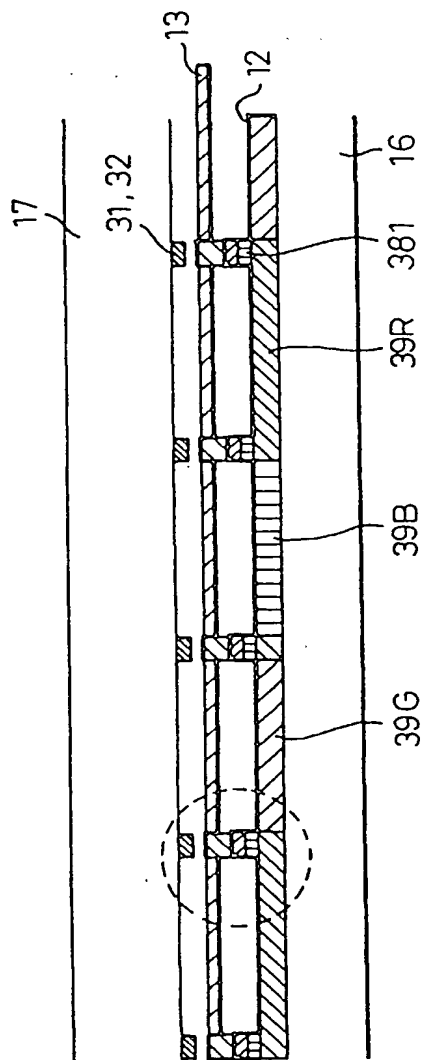


Fig. 184A

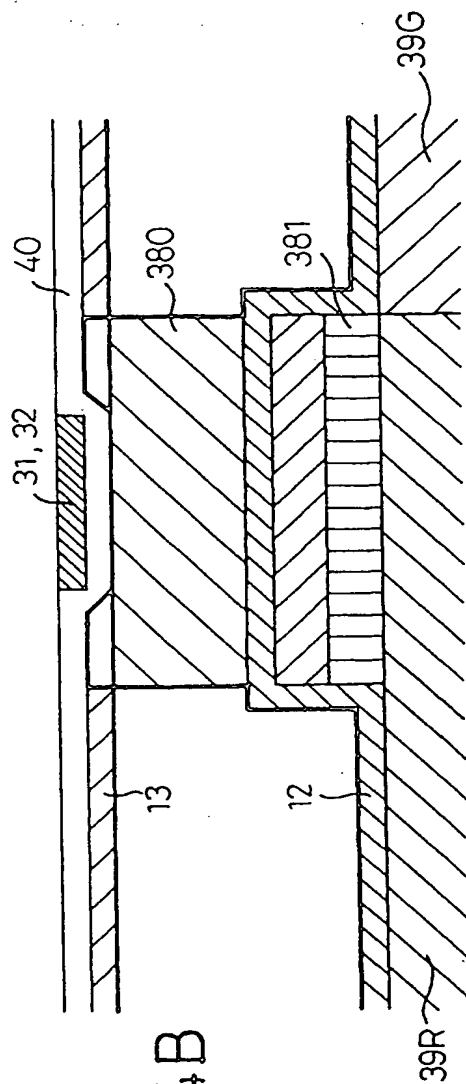


Fig. 184B

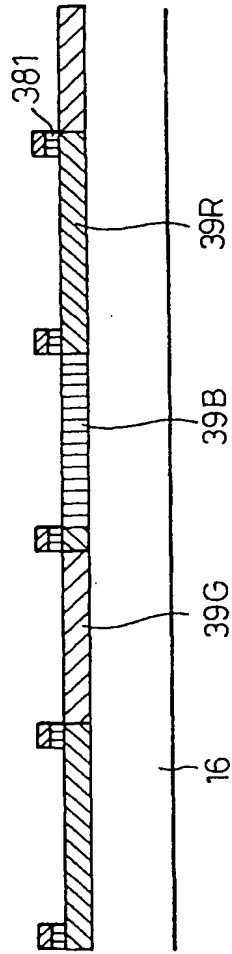


Fig. 185A

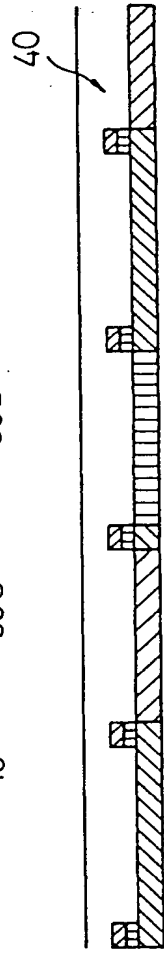


Fig. 185B

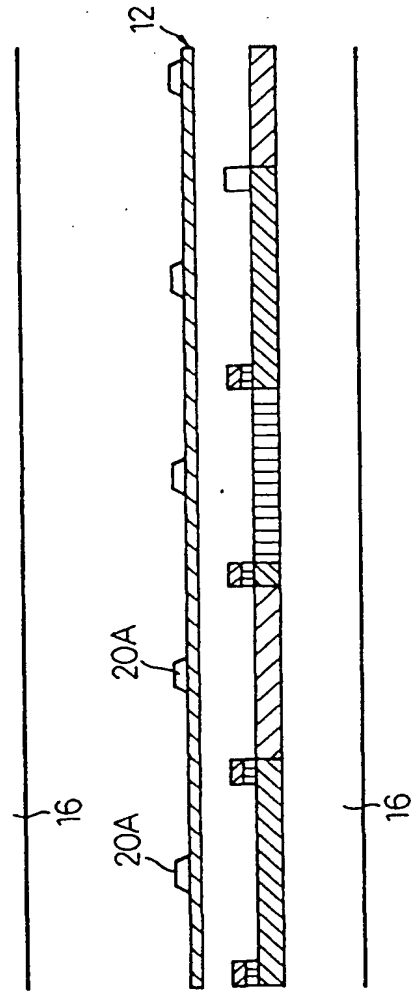


Fig. 185C

Fig. 186

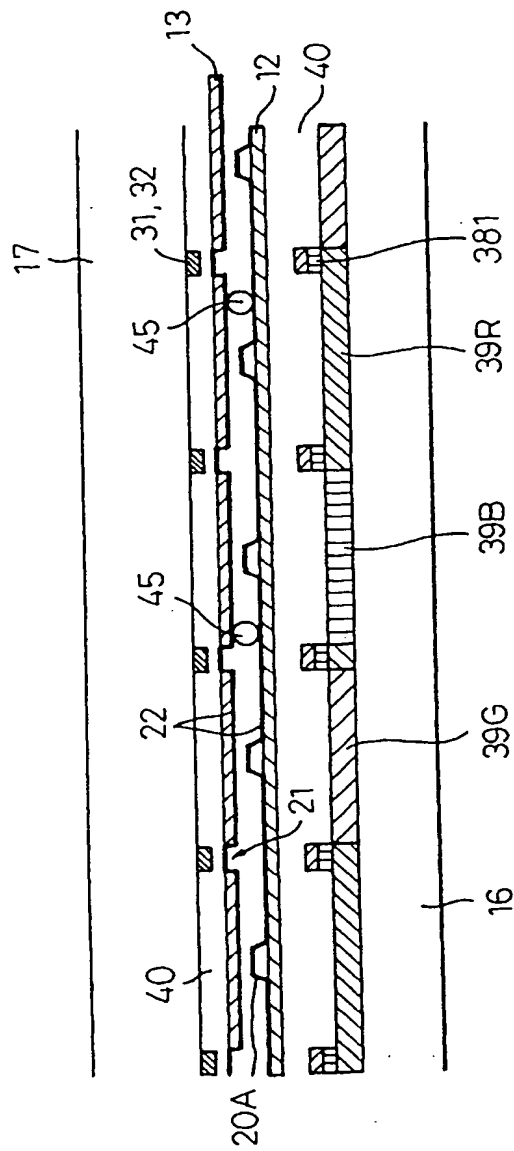
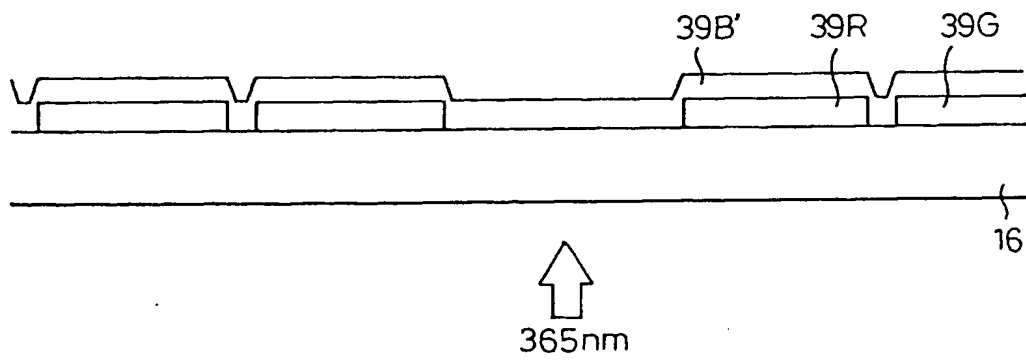


Fig.187



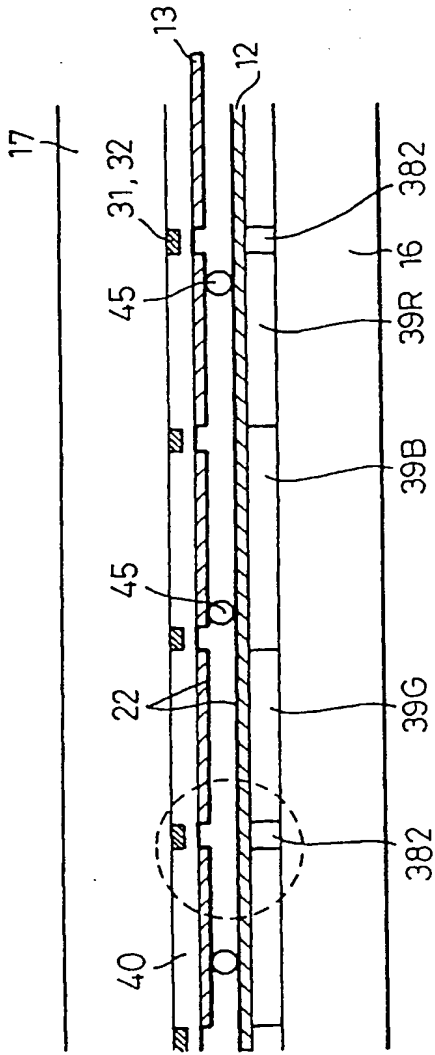


Fig. 188A

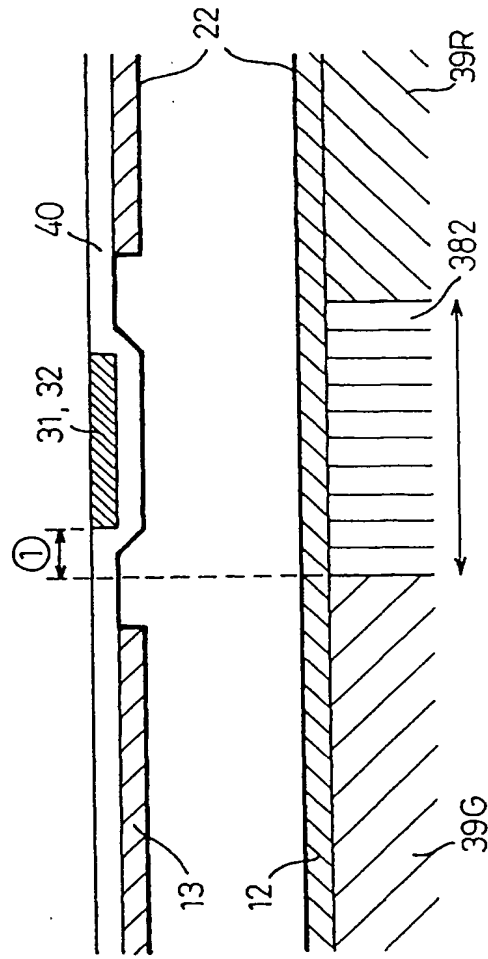


Fig. 188B

Fig.189

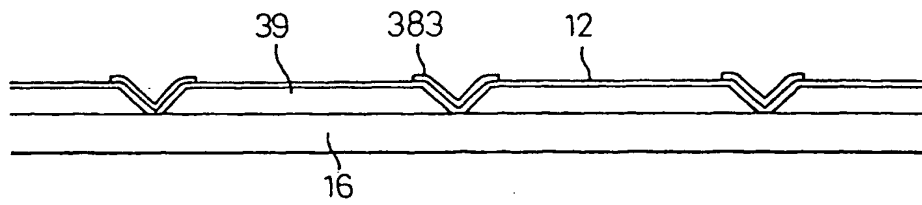


Fig.190A

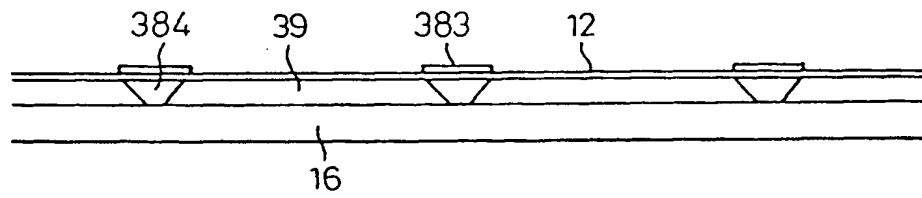


Fig.190B

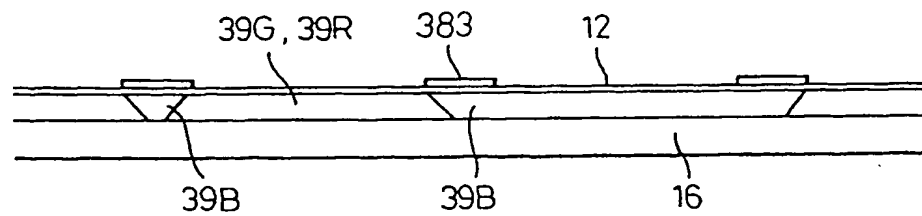


Fig.191

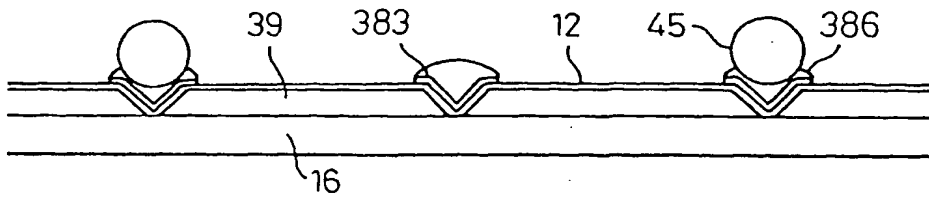


Fig.192

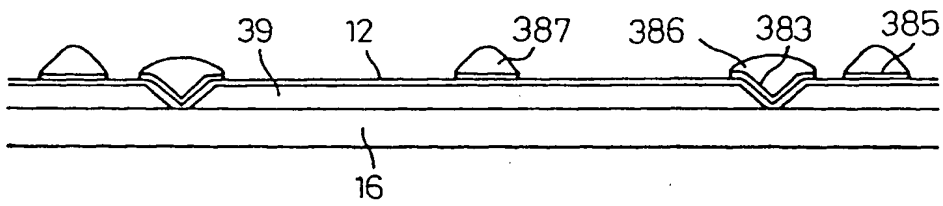


Fig.193

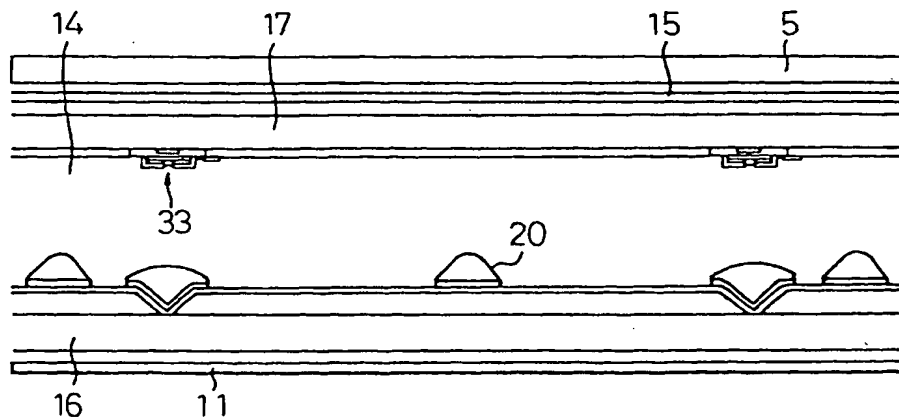


Fig.194

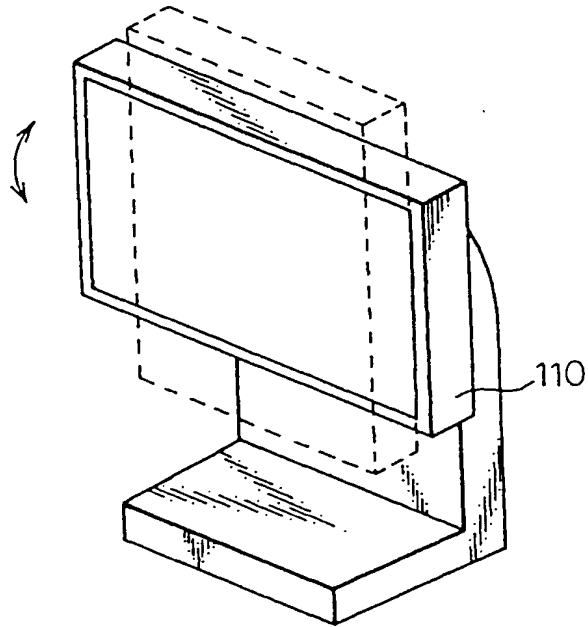


Fig.195

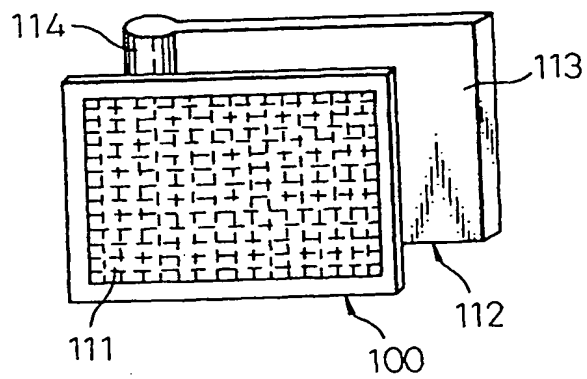


Fig.196A

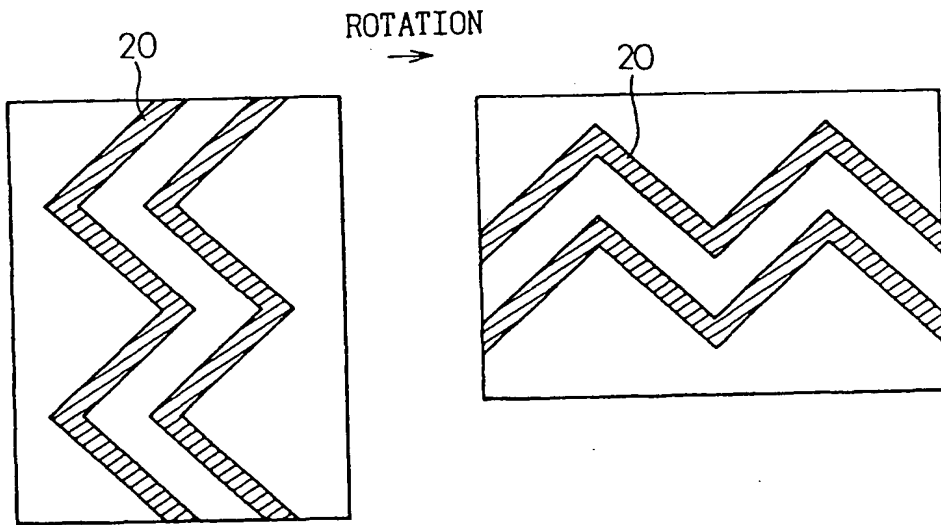


Fig.196B

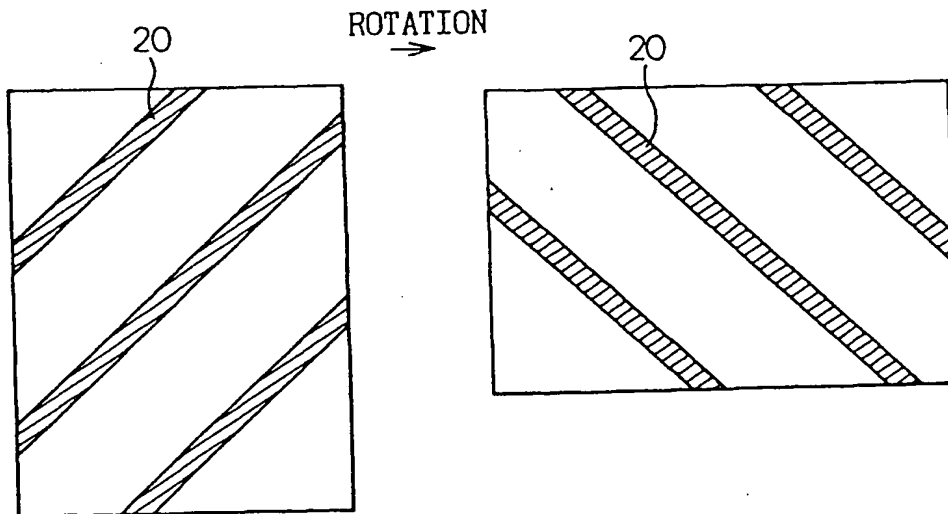


Fig.197

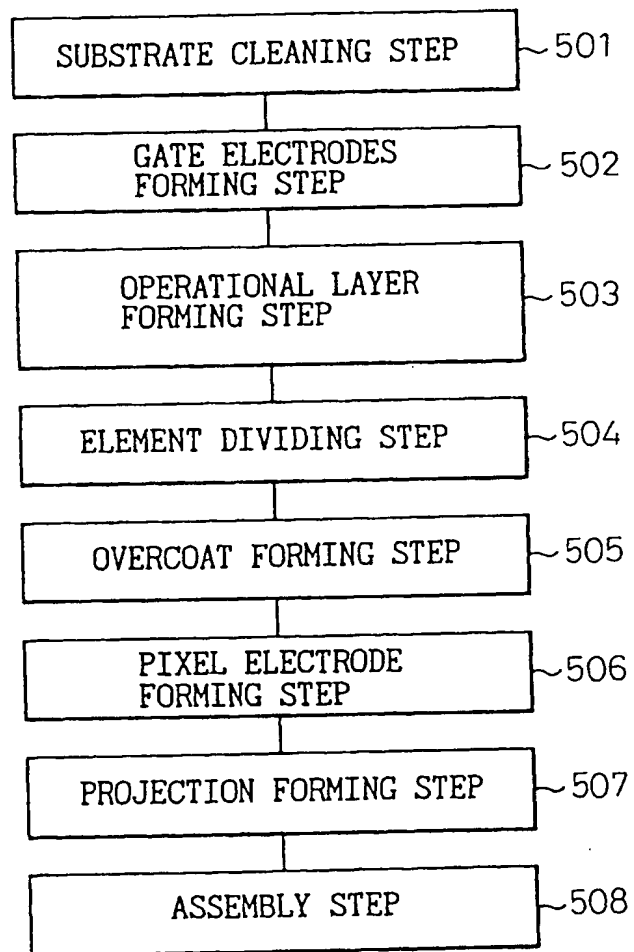


Fig.198

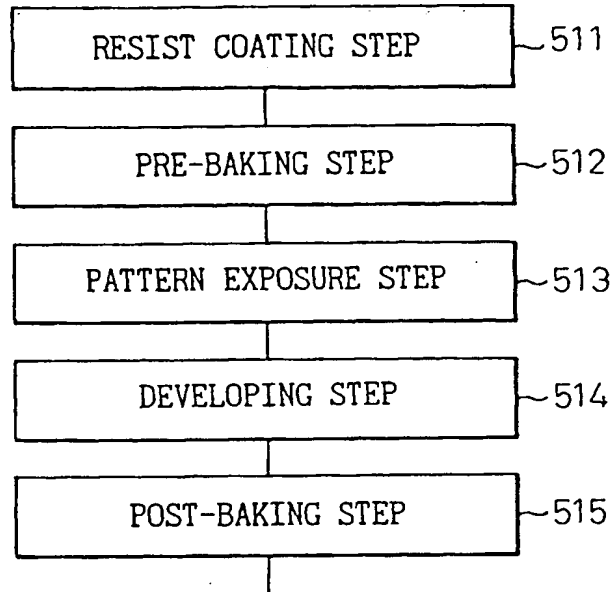


Fig.199

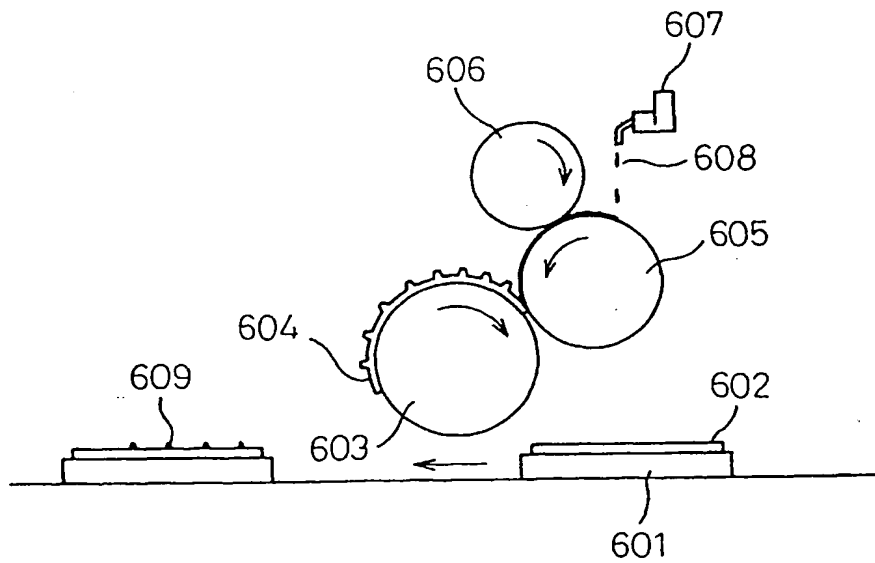


Fig. 200

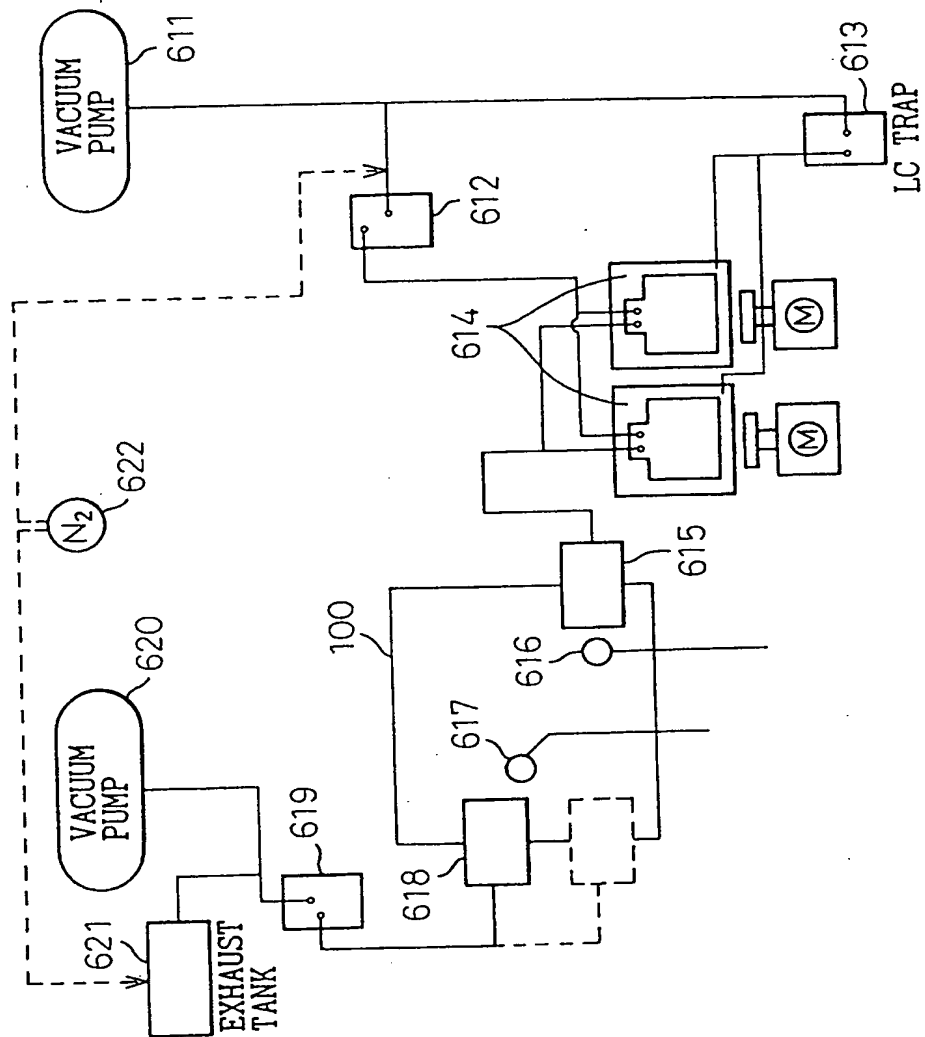


Fig. 201A

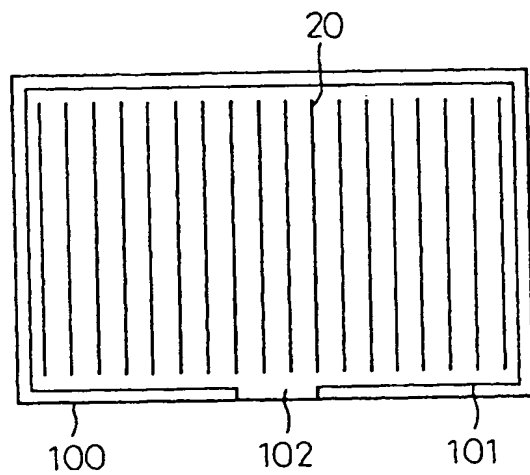


Fig. 201B

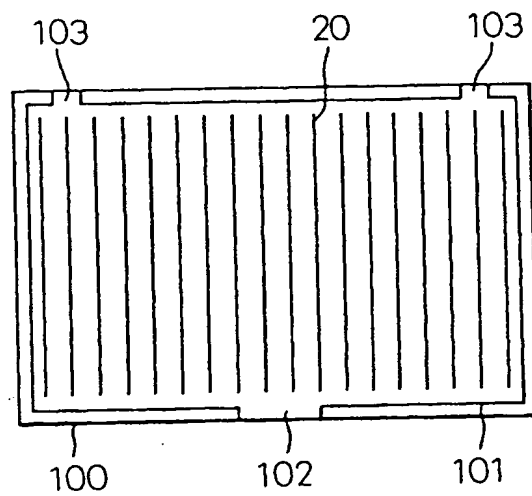


Fig. 202A

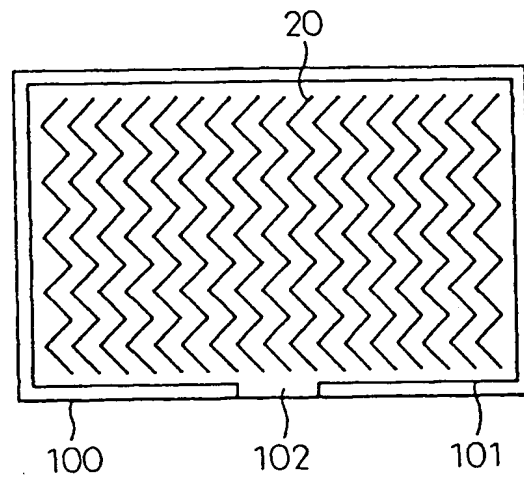


Fig. 202B

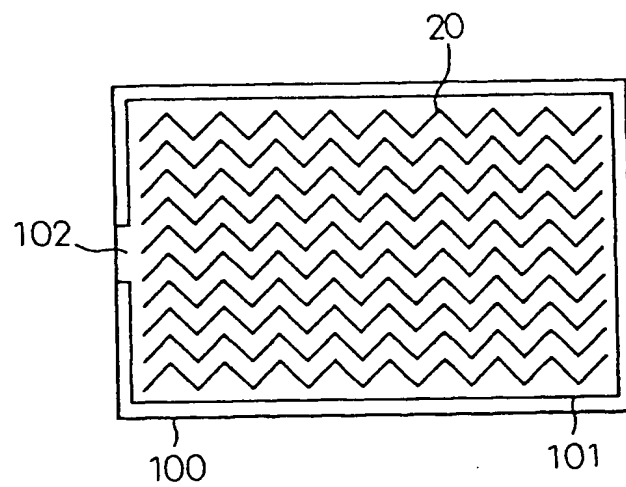


Fig. 203A

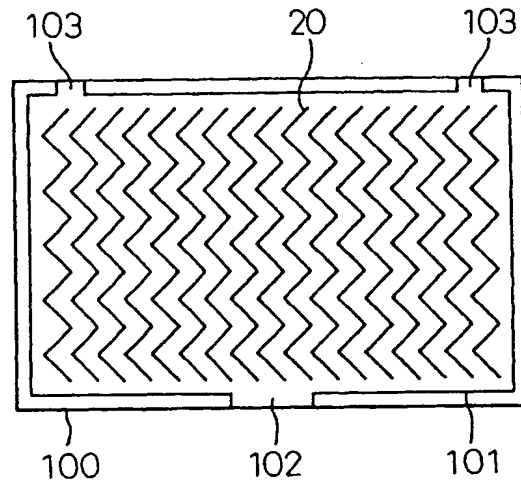


Fig. 203B

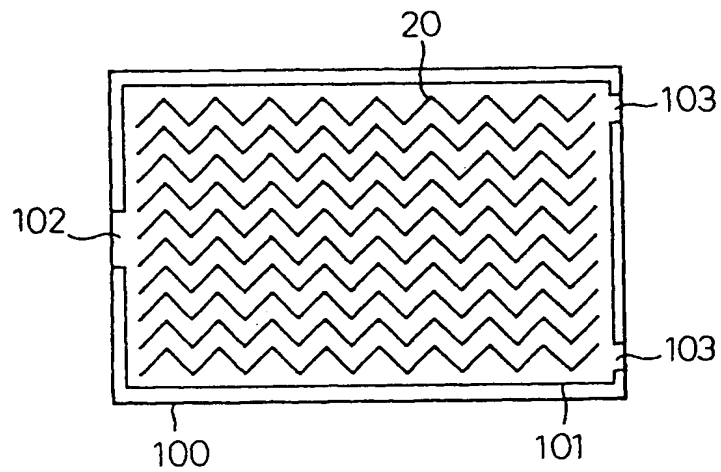


Fig. 204

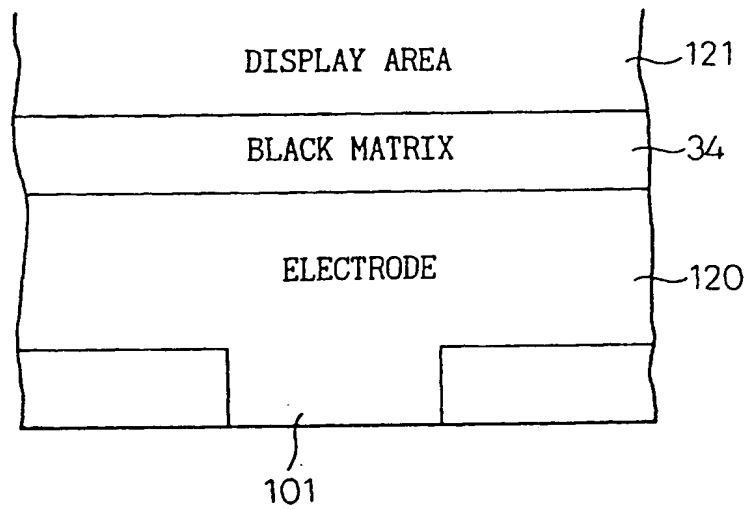


Fig. 205A

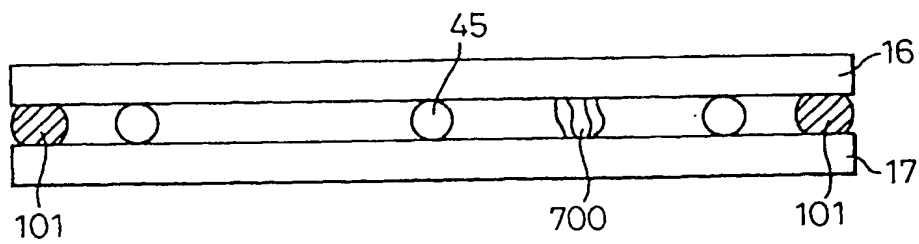


Fig. 205B

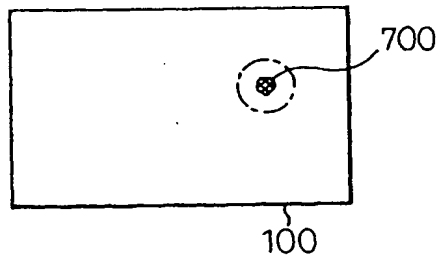


Fig. 205C

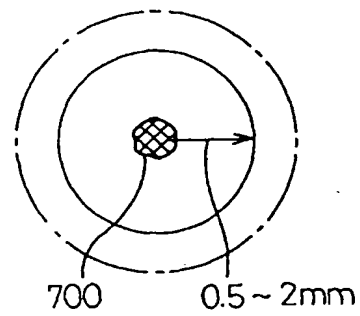


Fig.206

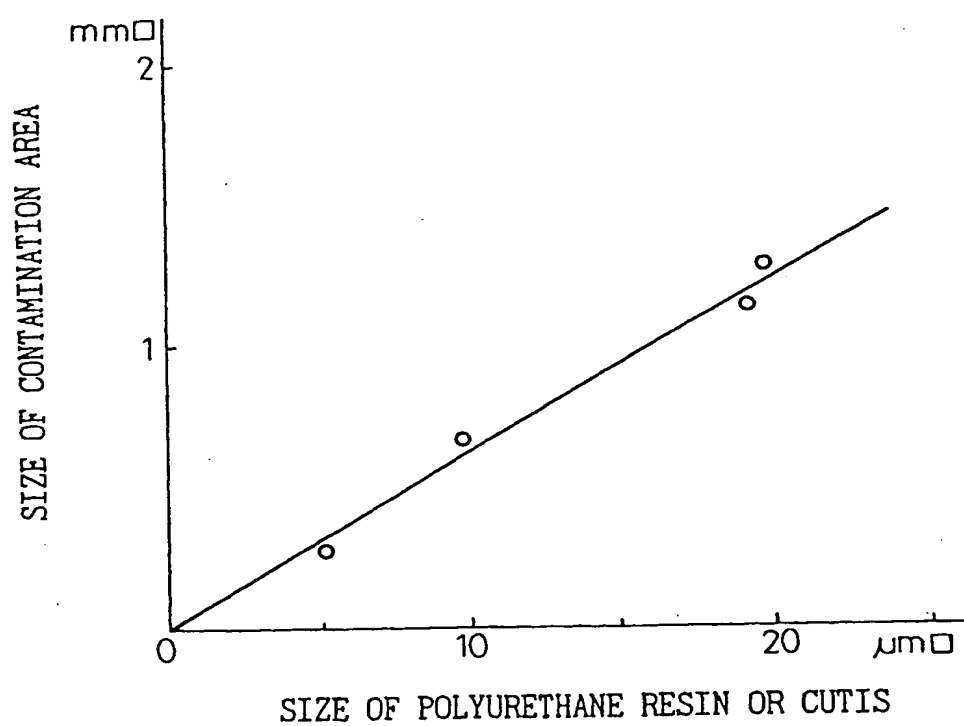


Fig. 207

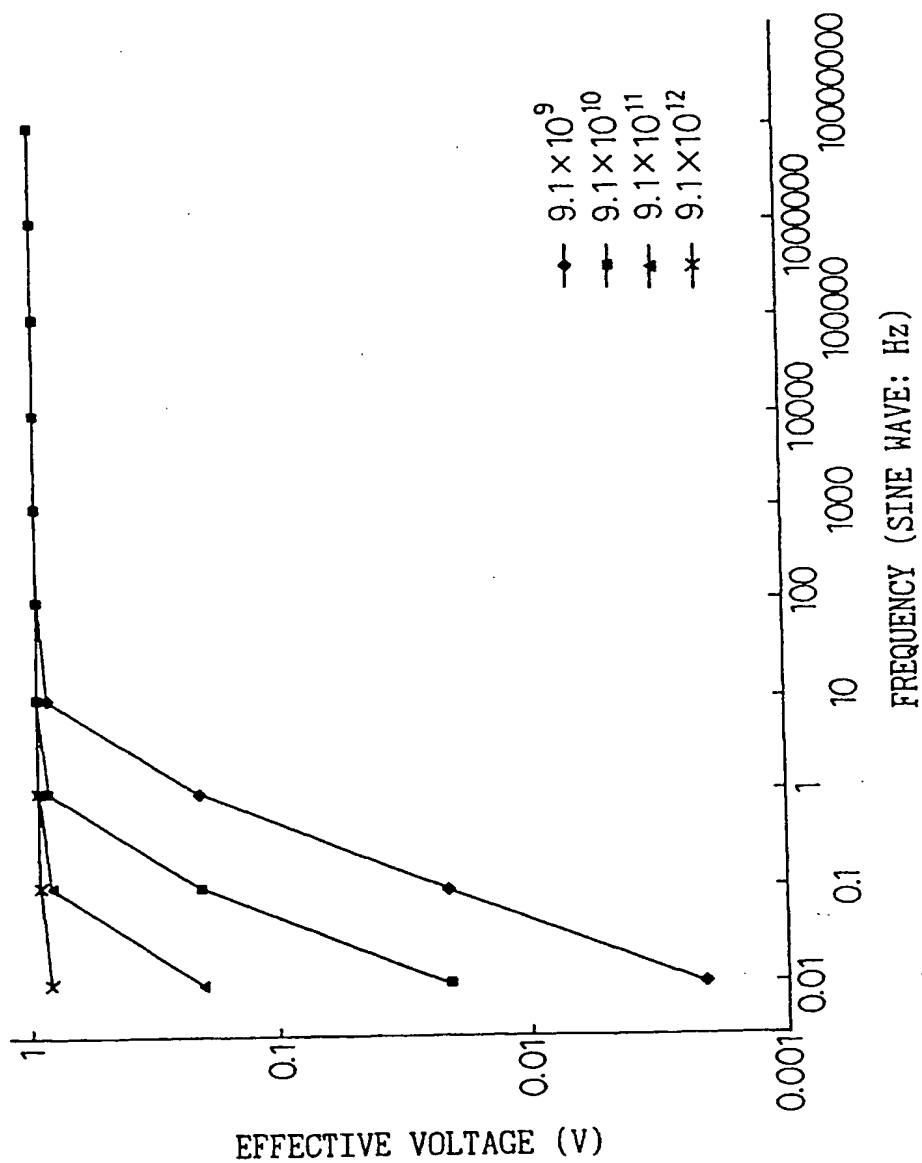


Fig. 208

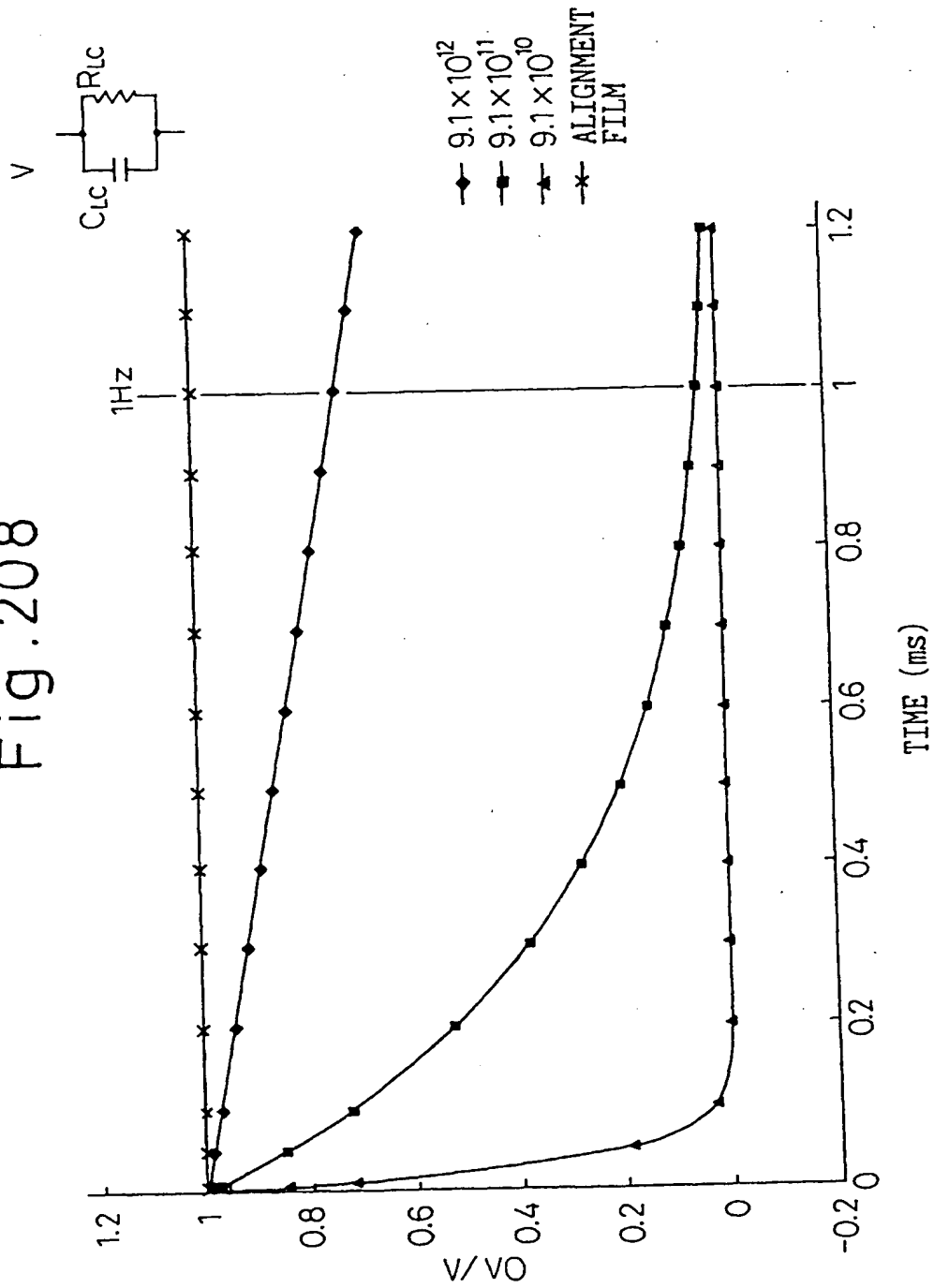


Fig. 209

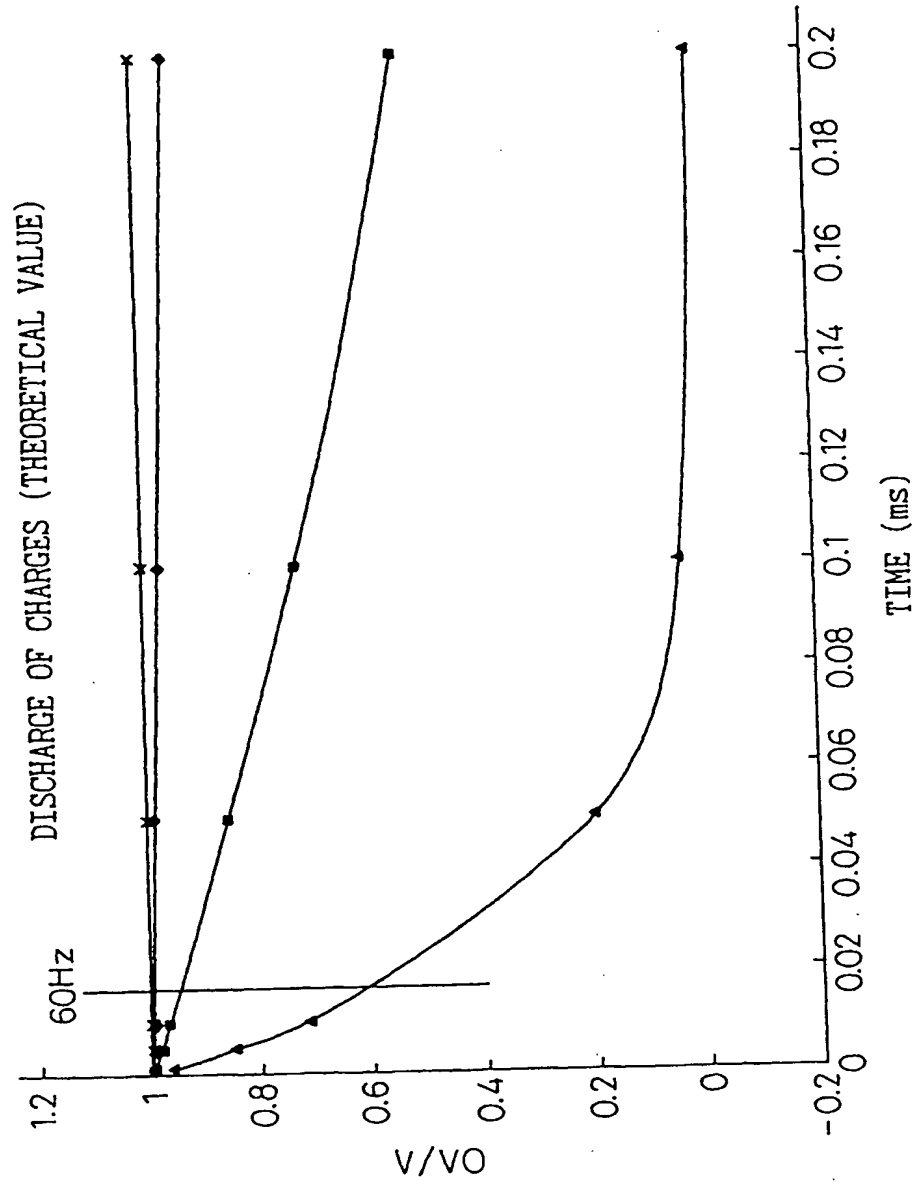


Fig. 210

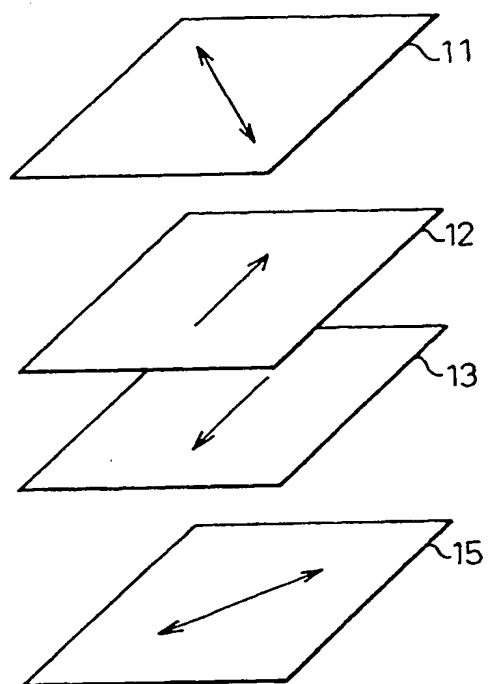


Fig. 211

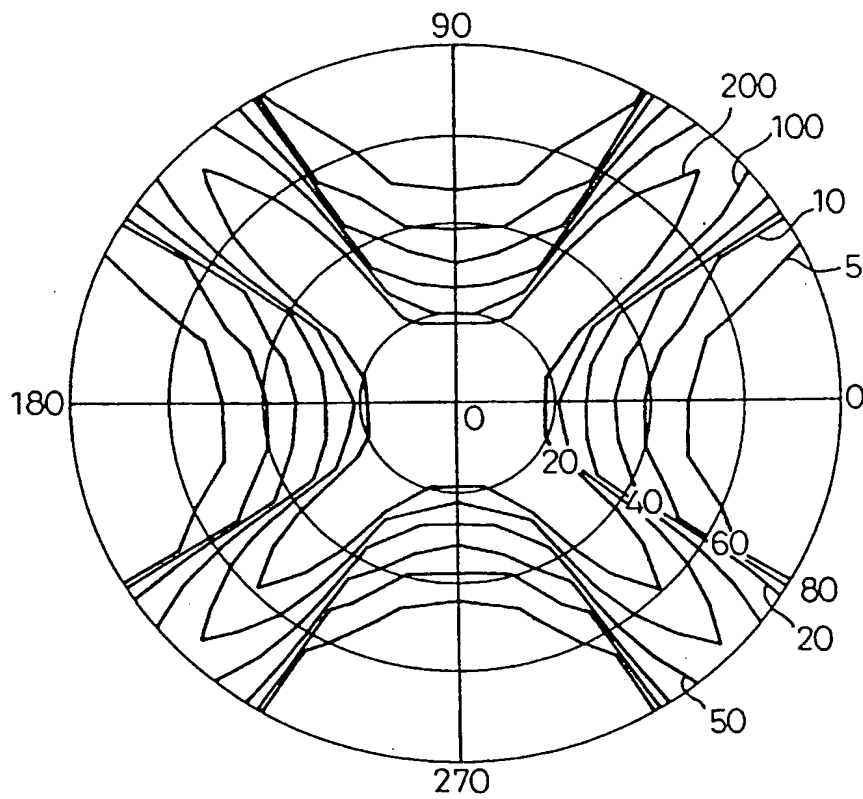


Fig. 212

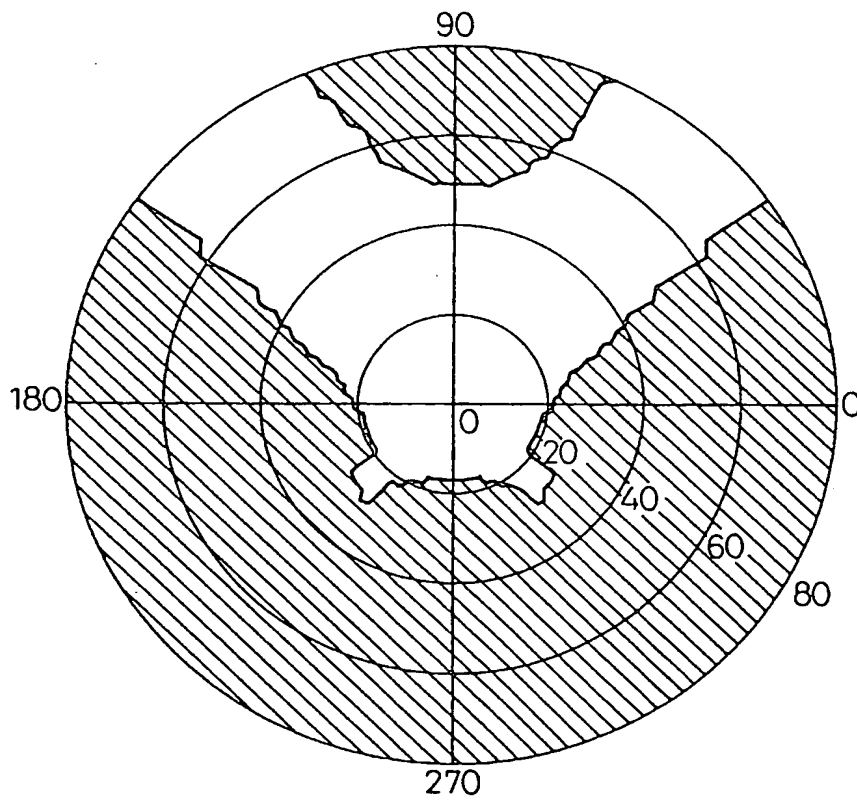


Fig. 213

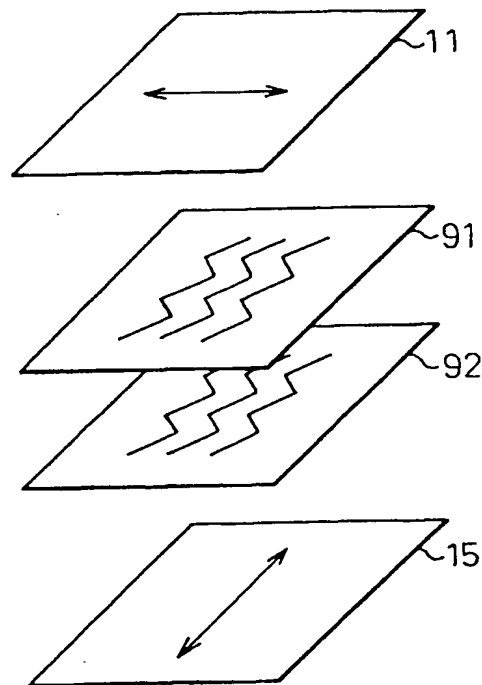


Fig. 214

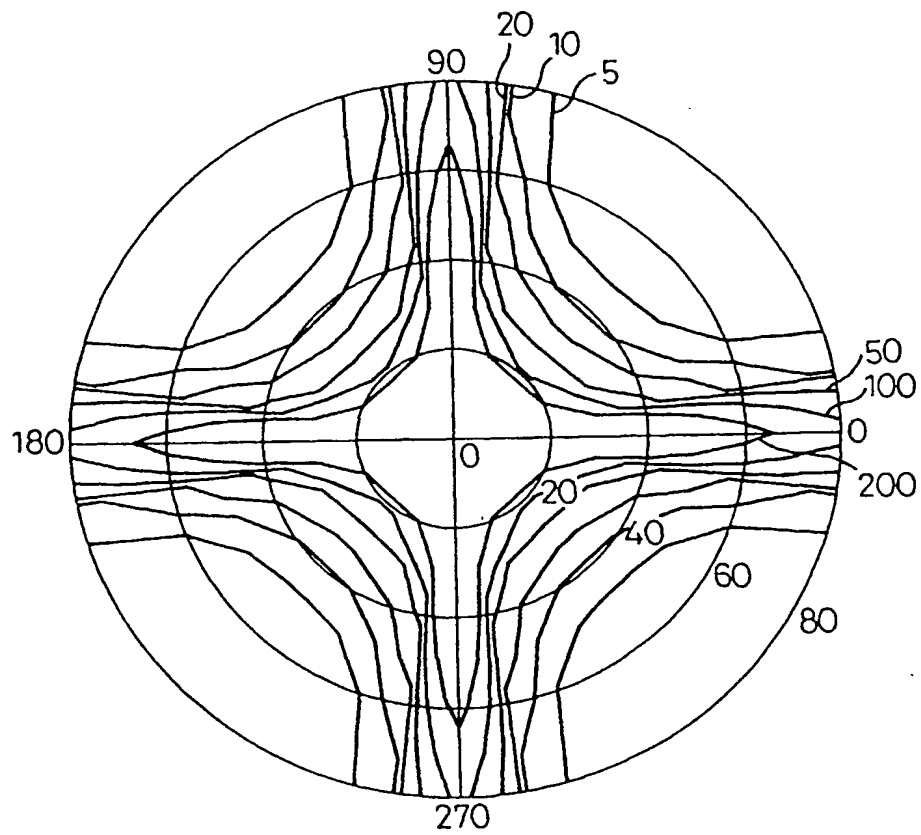


Fig. 215

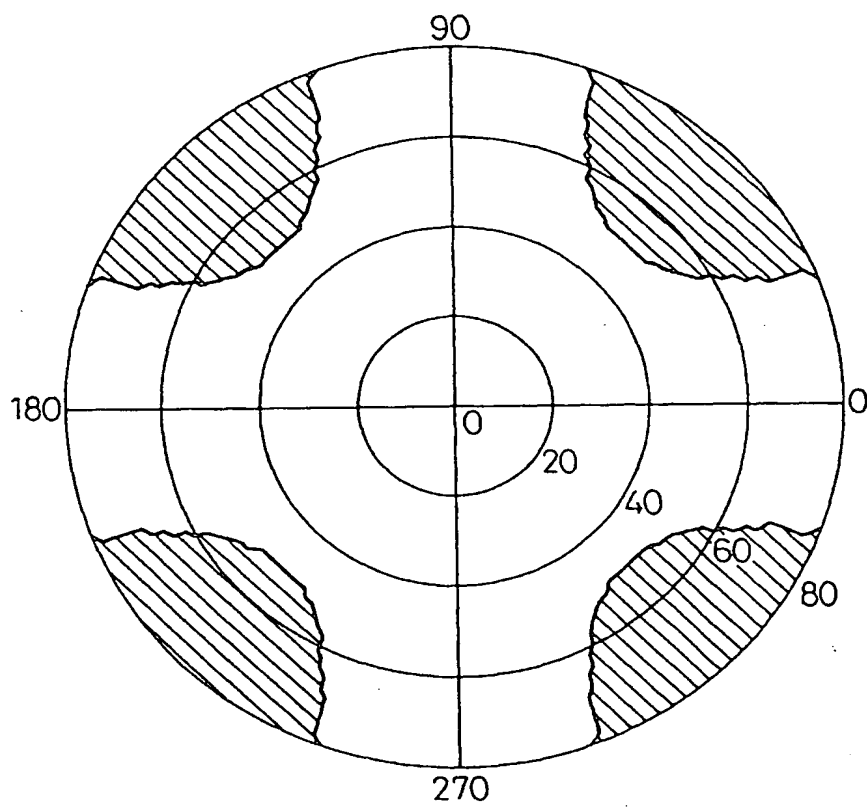
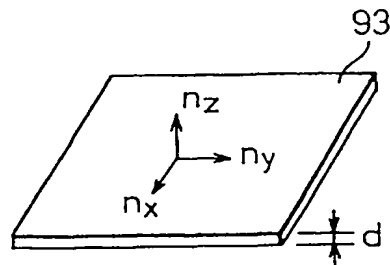


Fig.216



GENERAL CONDITION

$$n_x, n_y \geq n_z$$

POSITIVE UNIAXIAL FILM

$$n_x > n_y = n_z$$

NEGATIVE UNIAXIAL FILM

$$n_x = n_y > n_z$$

BIAXIAL FILM

(A PHASE LAG AXIS IS X DIRECTION.)

$$n_x > n_y > n_z$$

RETARDATION IN
INPLANE DIRECTIONS

$$R = (n_x - n_y)d$$

RETARDATION OF
THICKNESS DIRECTION

$$R = \left(\frac{n_x + n_y}{2} - n_z \right) d$$

Fig. 217

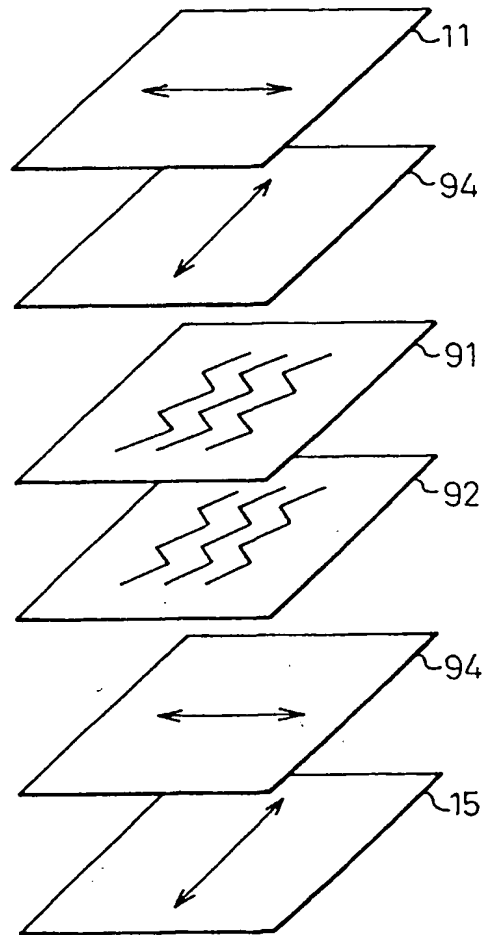


Fig.218

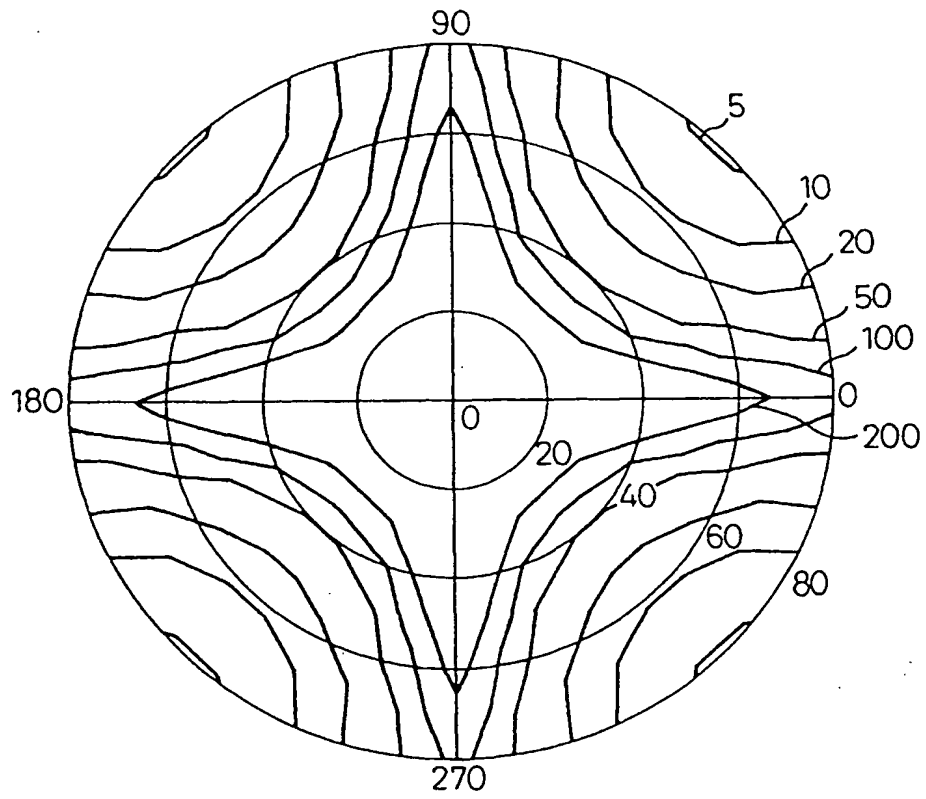


Fig. 219

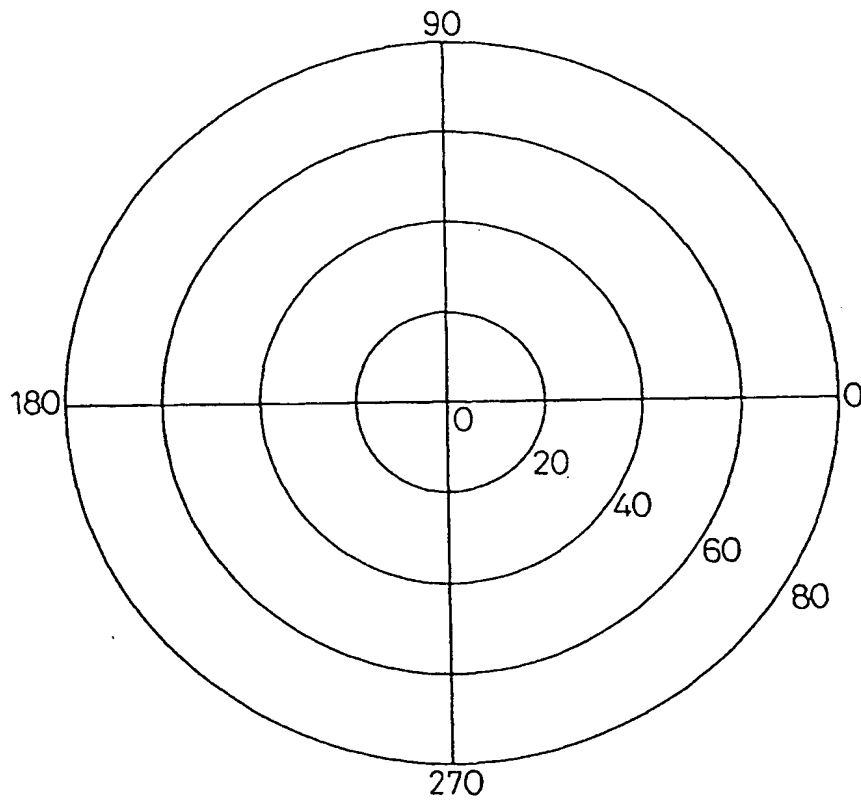


Fig. 220

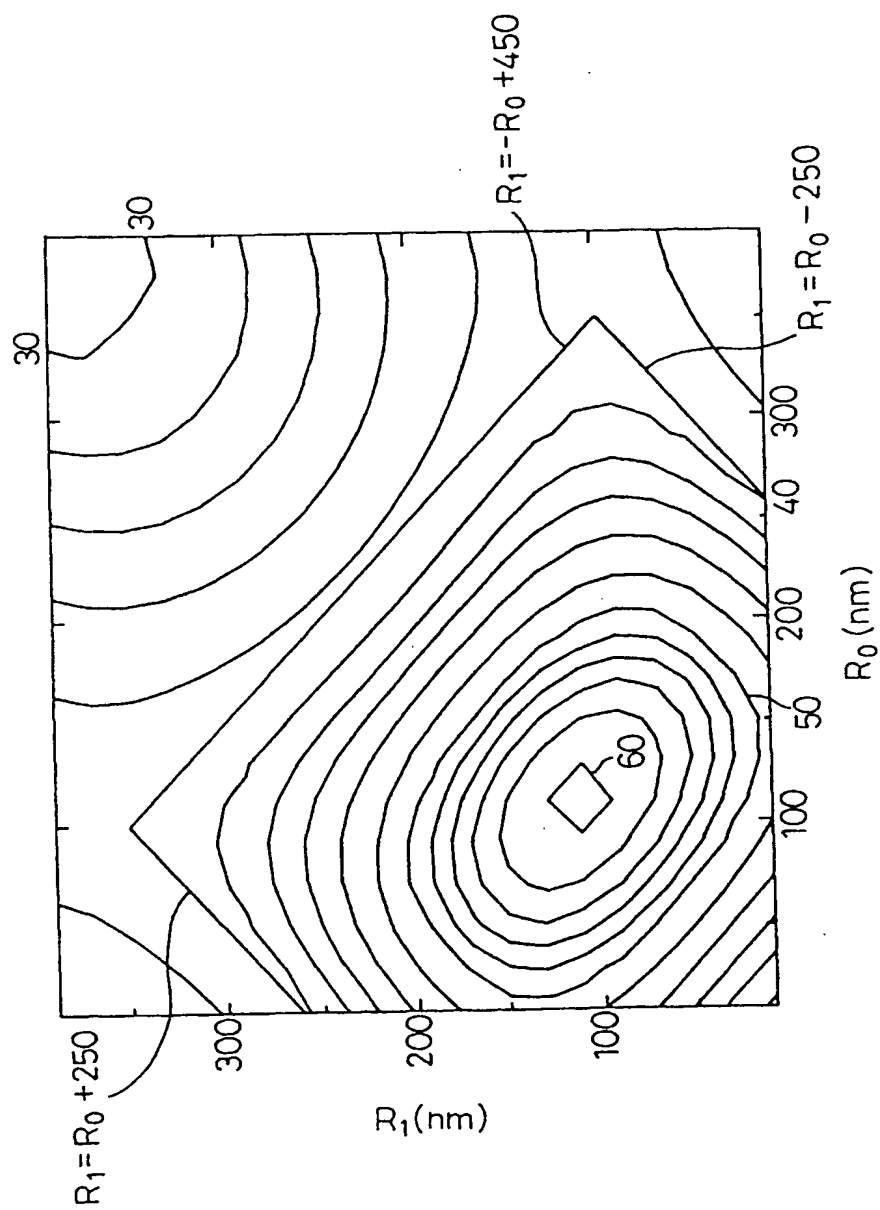


Fig. 221

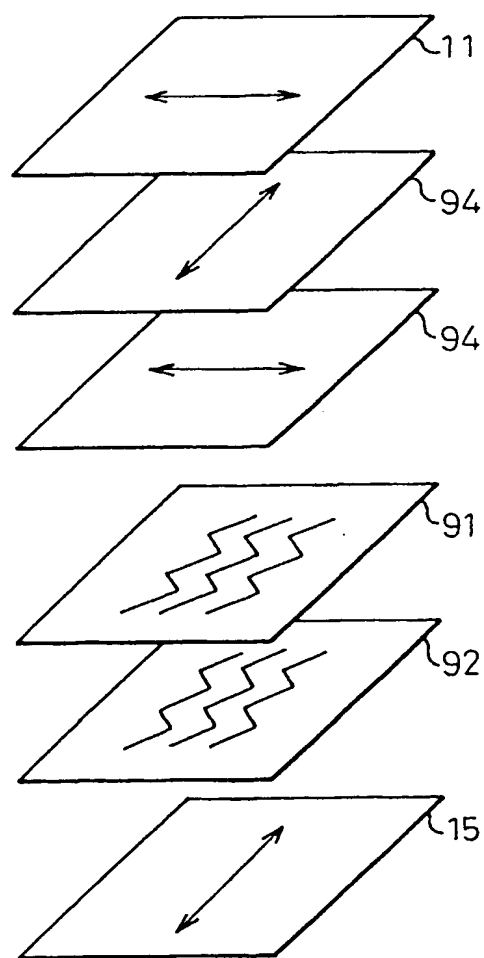


Fig. 222

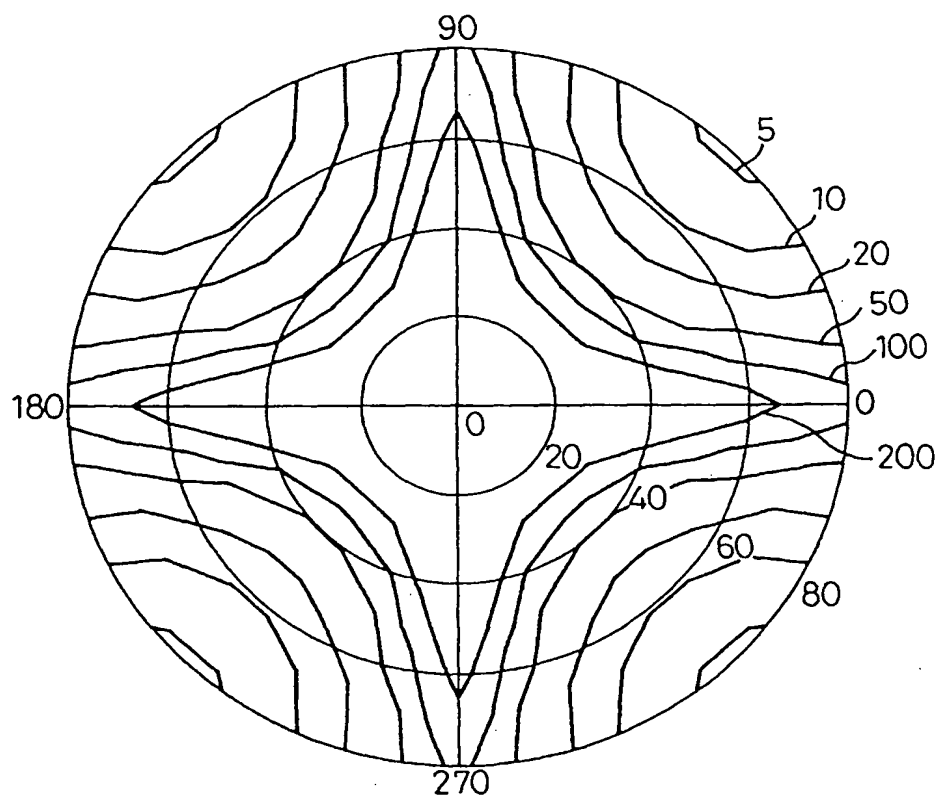


Fig. 223

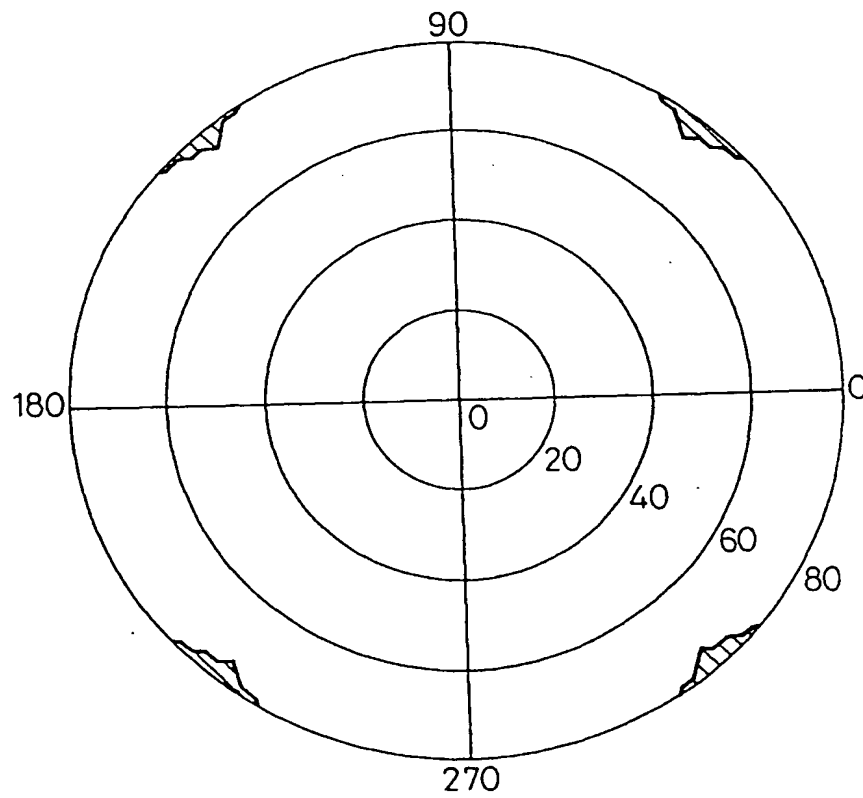


Fig. 224

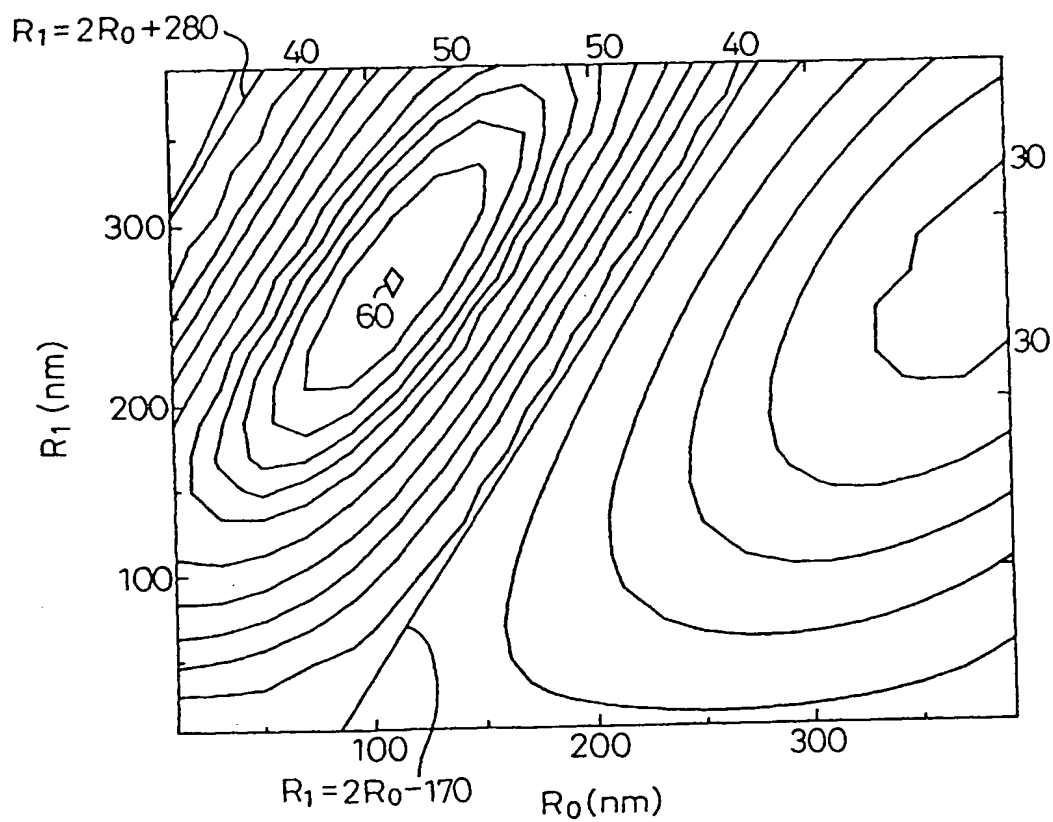


Fig. 225

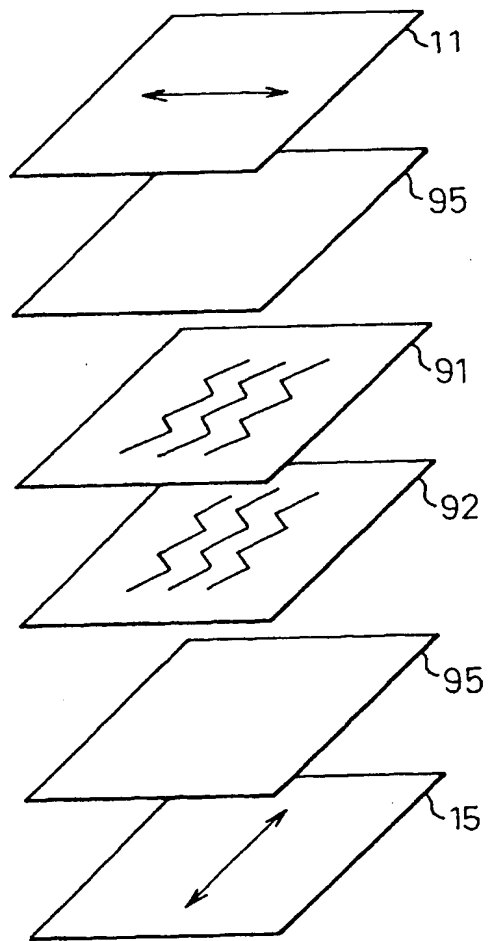


Fig. 226

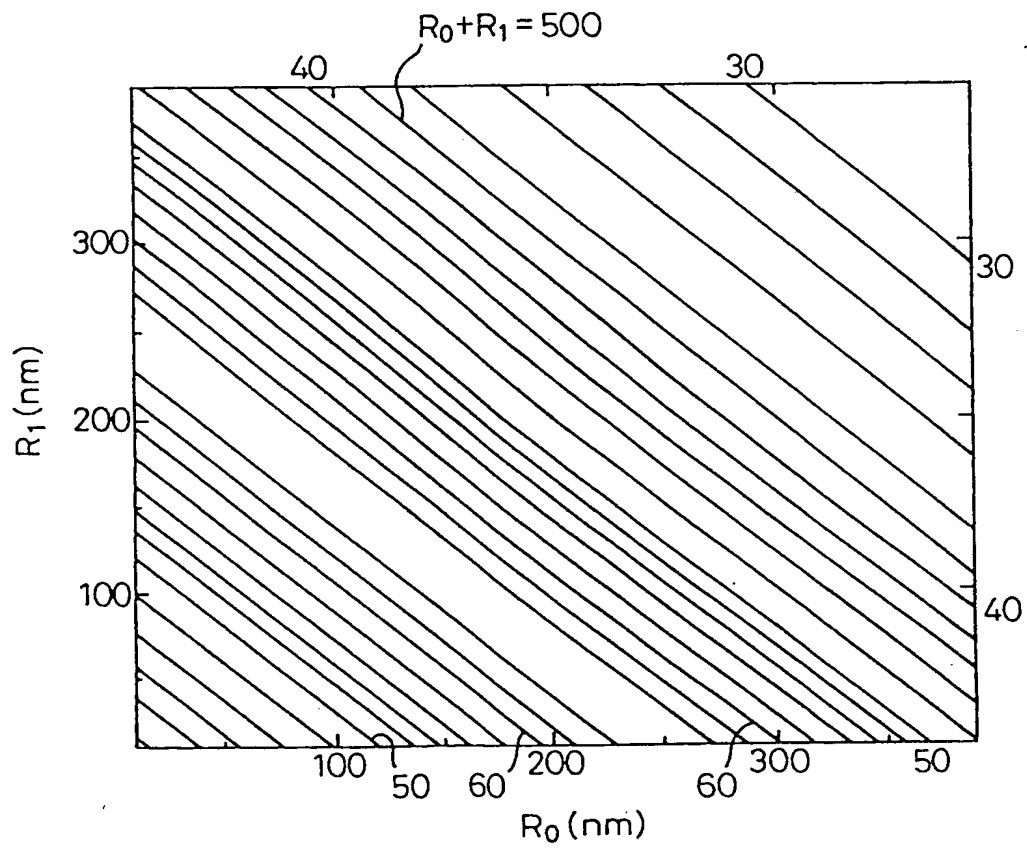


Fig. 227

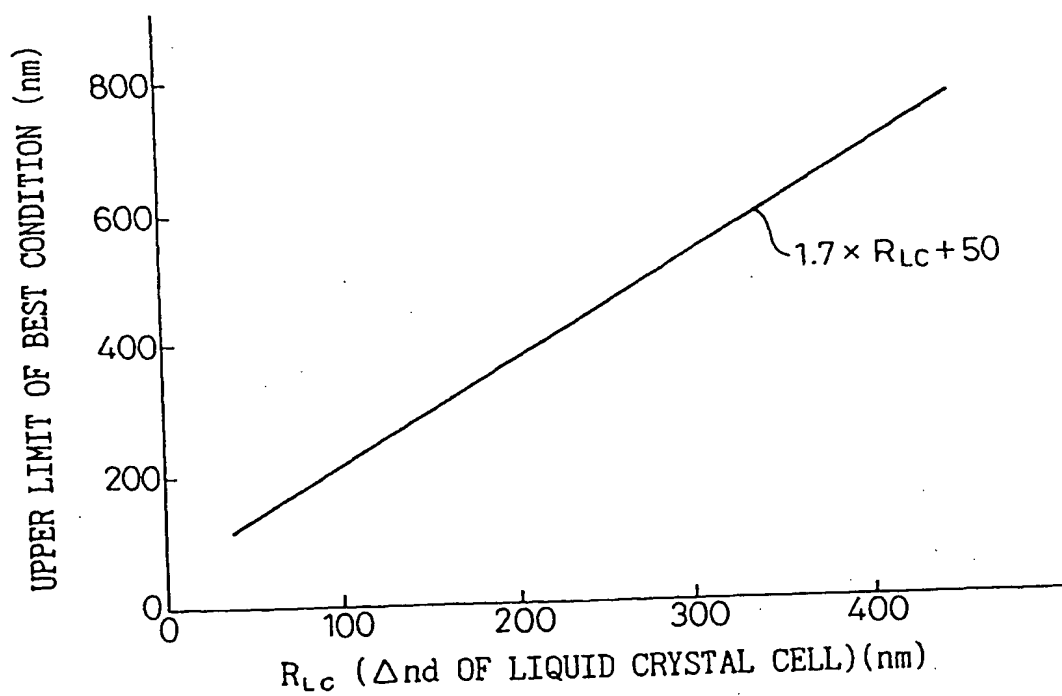


Fig. 228

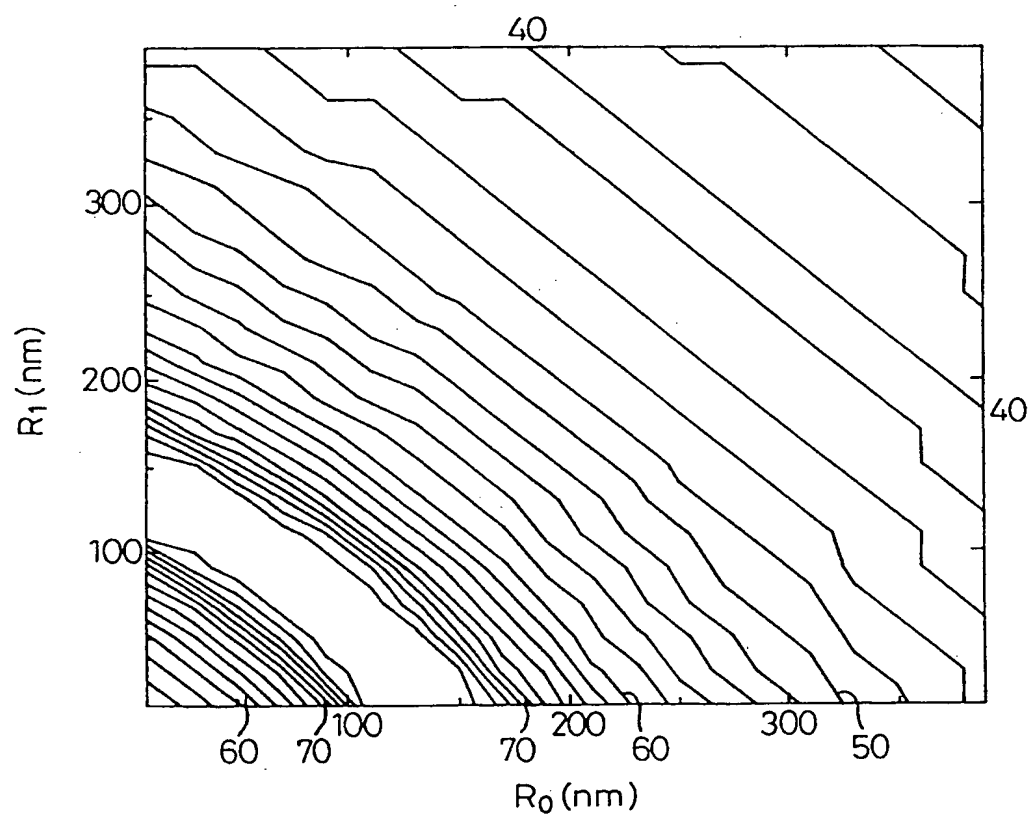


Fig. 229

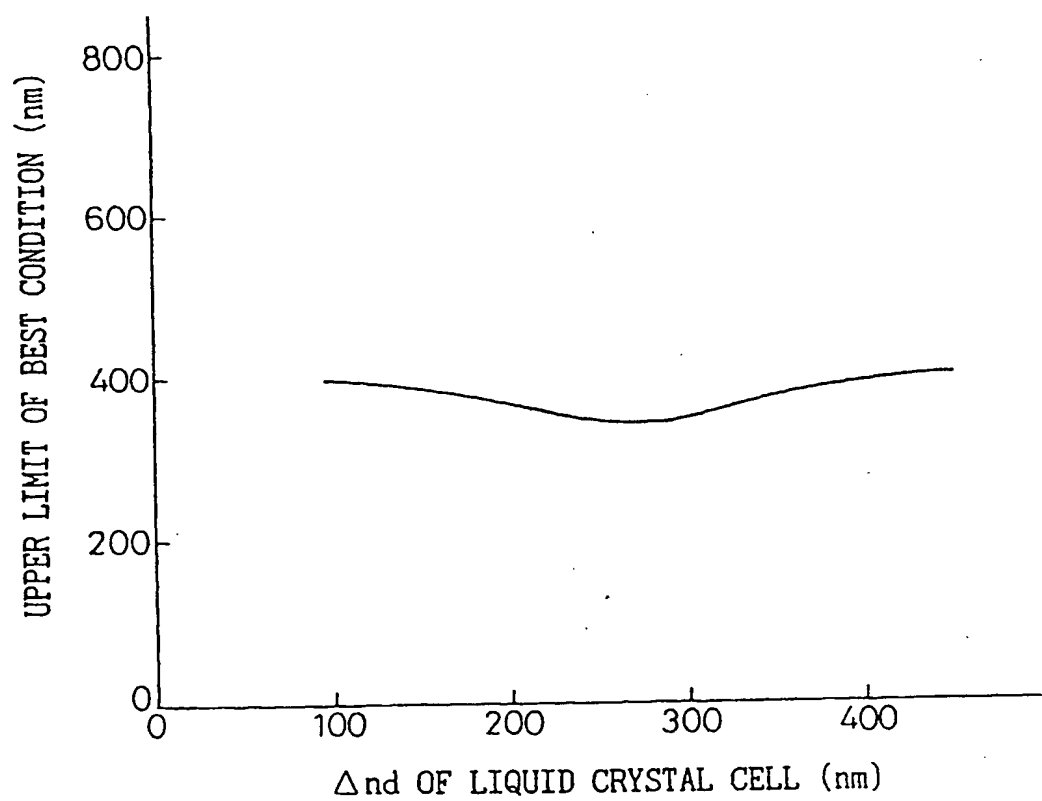


Fig. 230

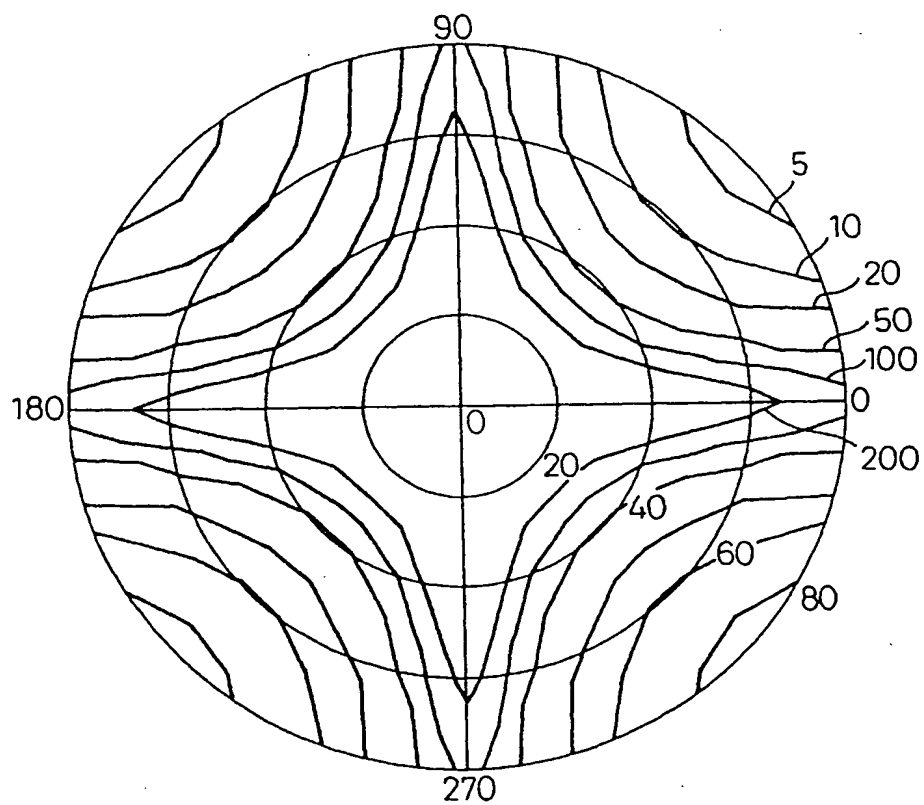


Fig. 231

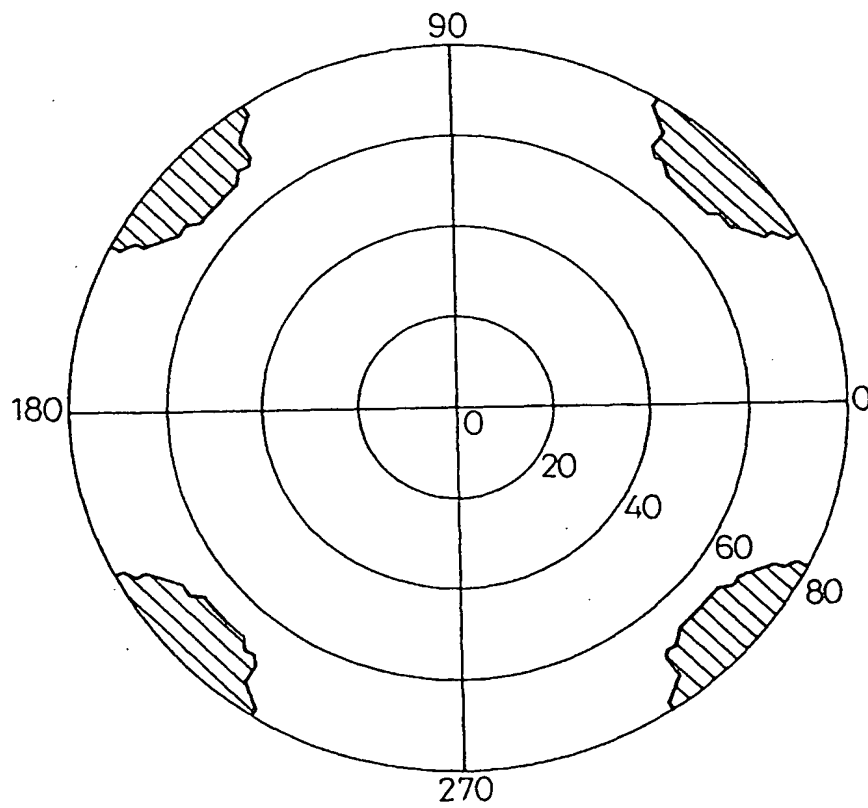


Fig. 232

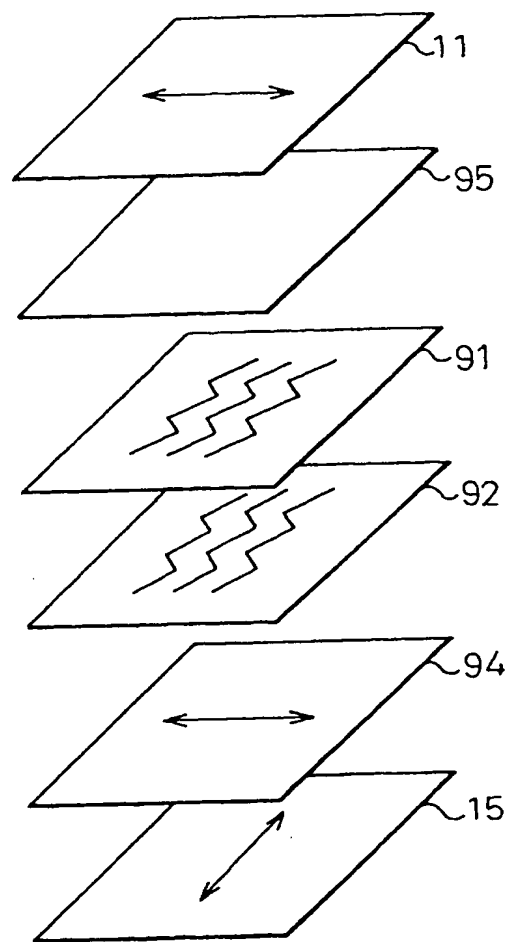


Fig. 233

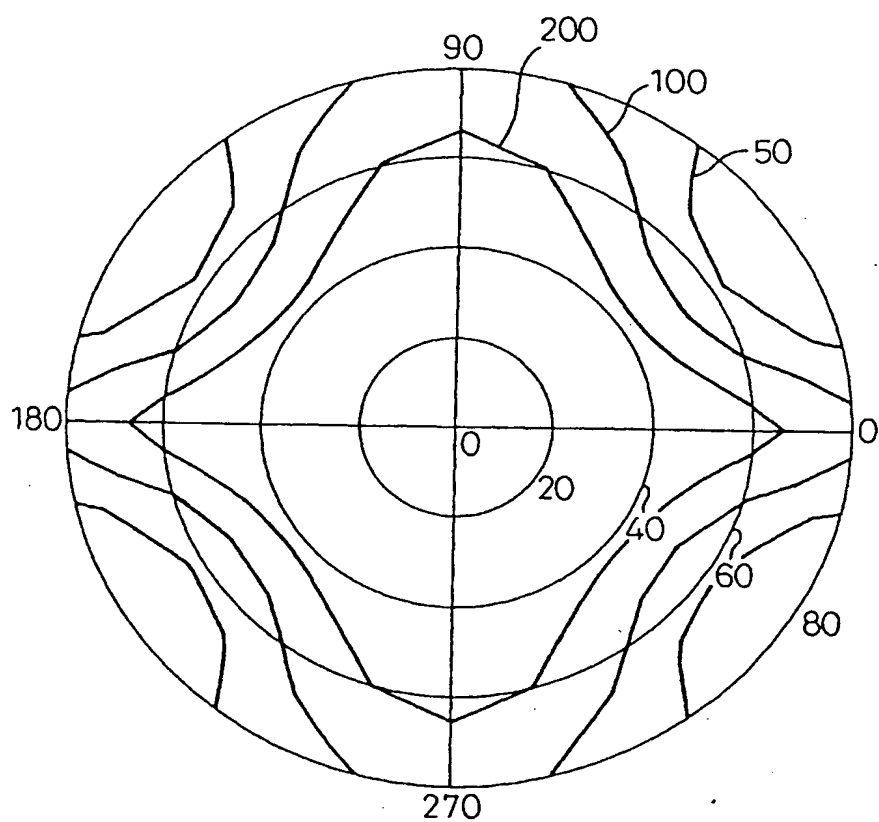


Fig. 234

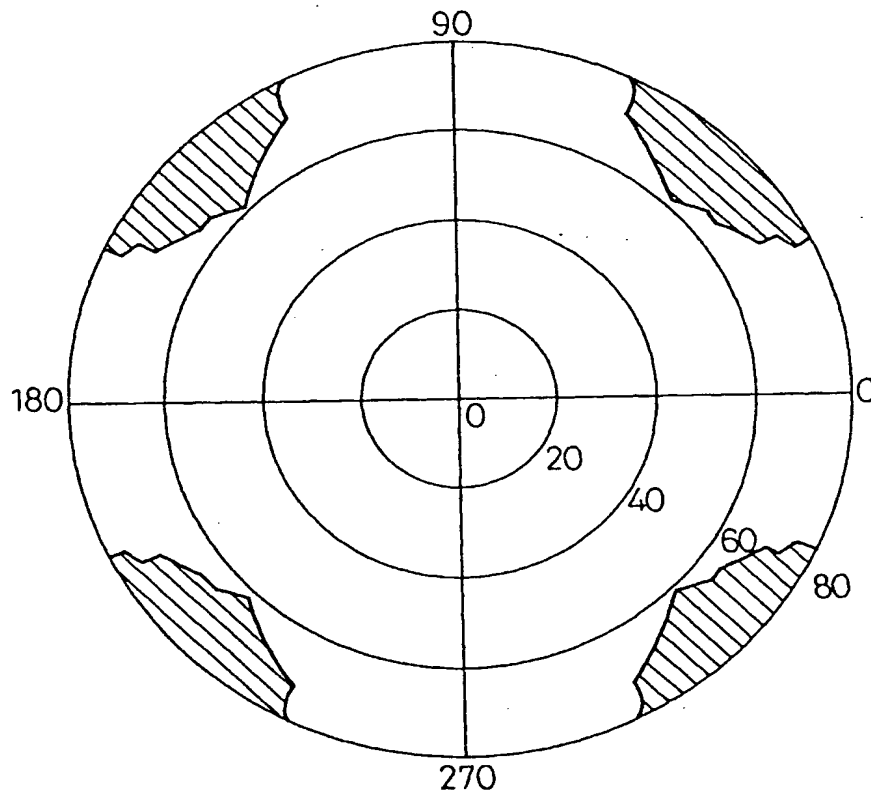


Fig. 235

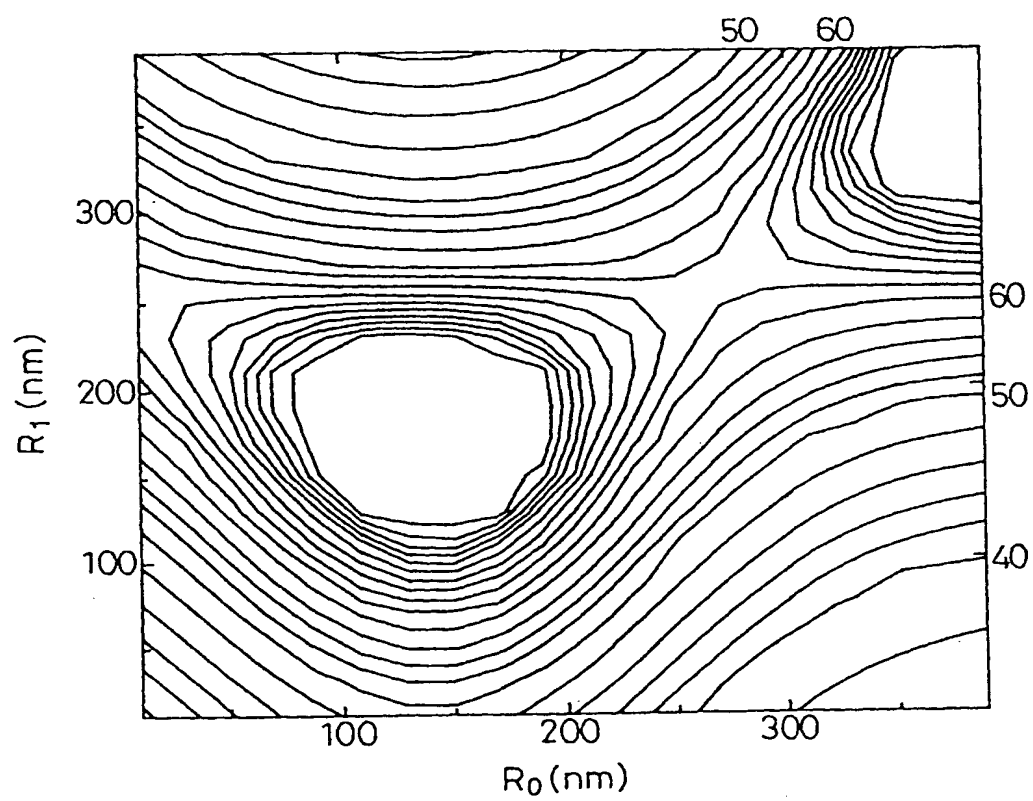


Fig. 236

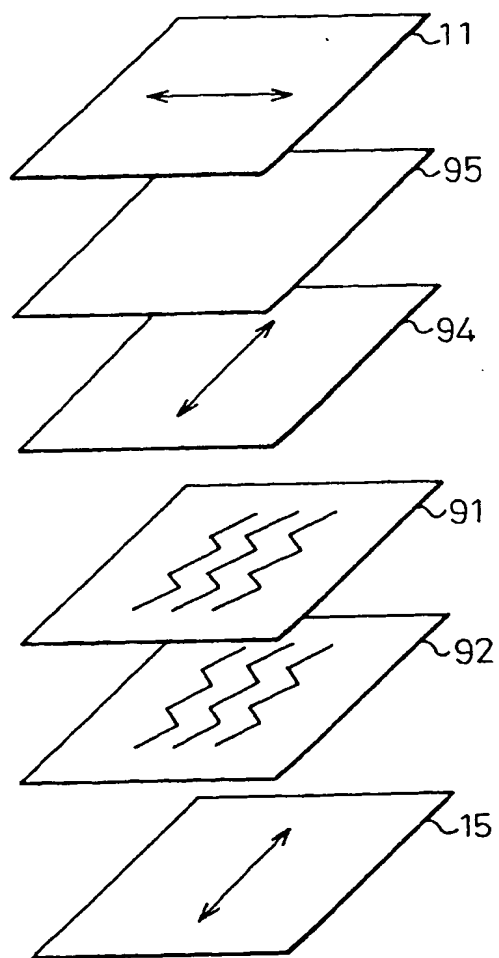


Fig. 237

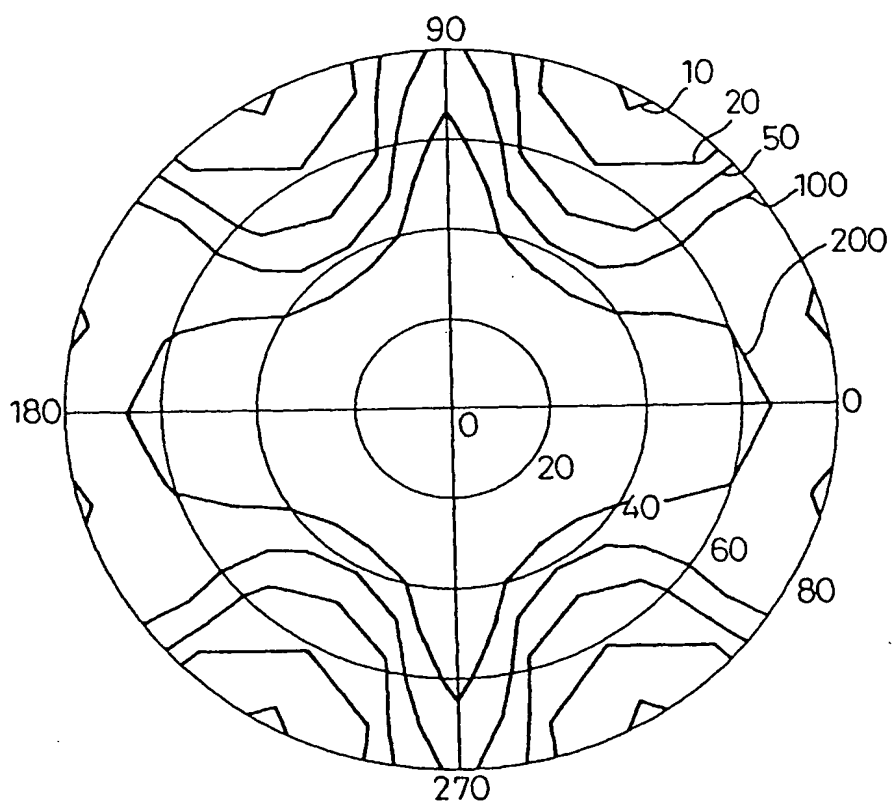


Fig. 238

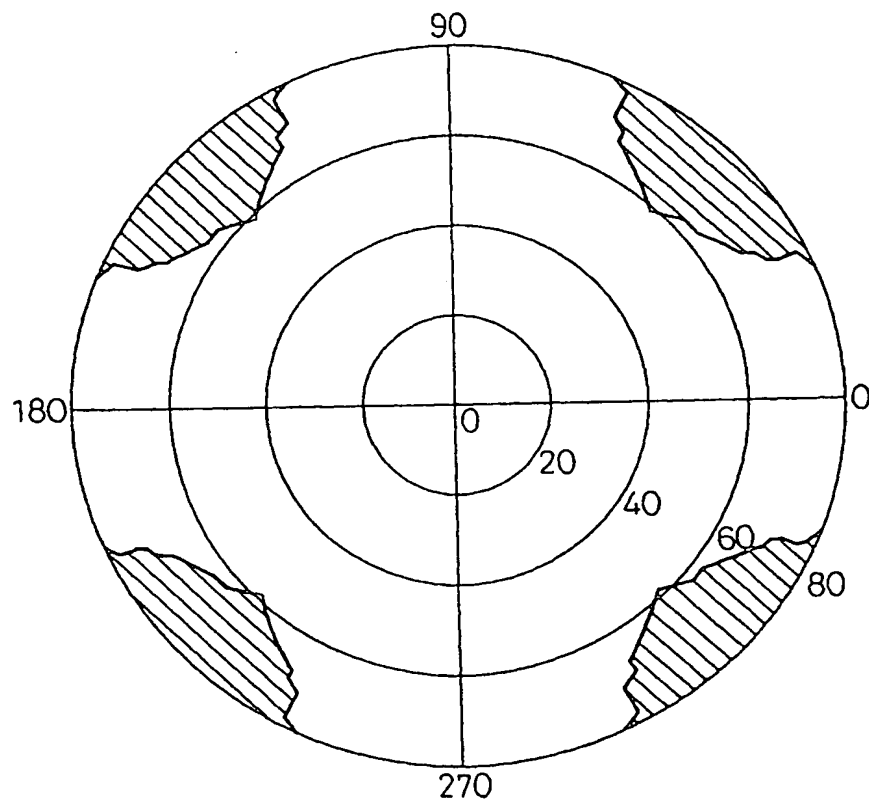


Fig. 239

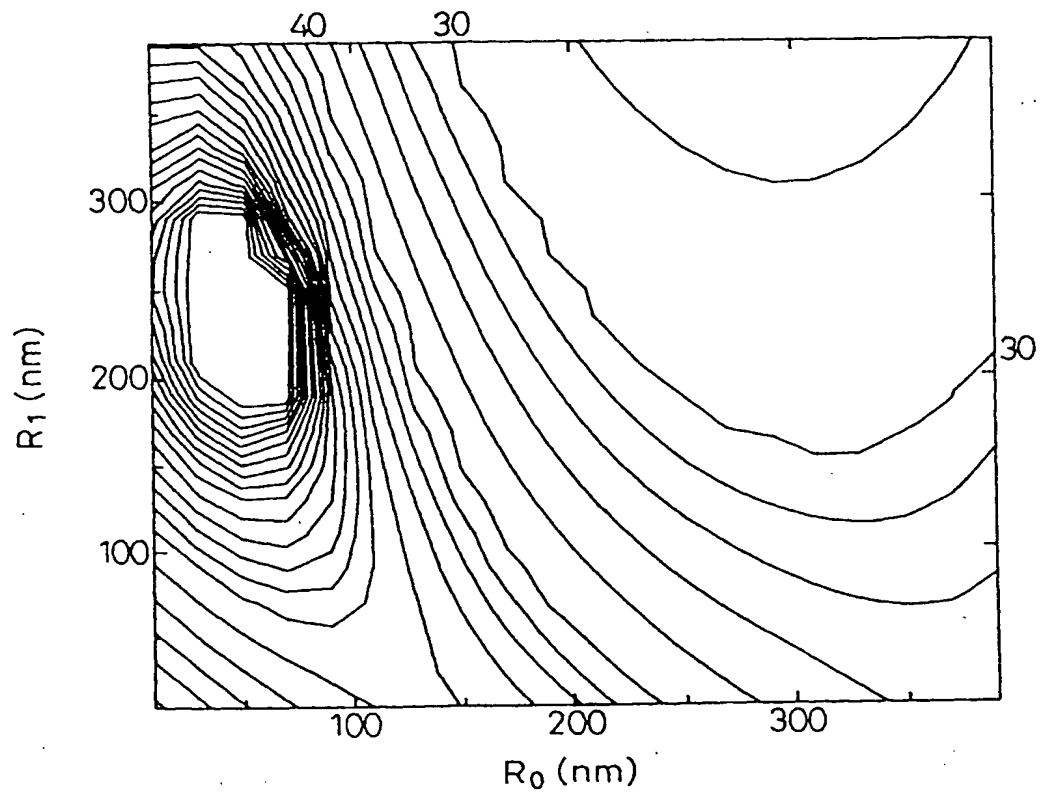


Fig. 240

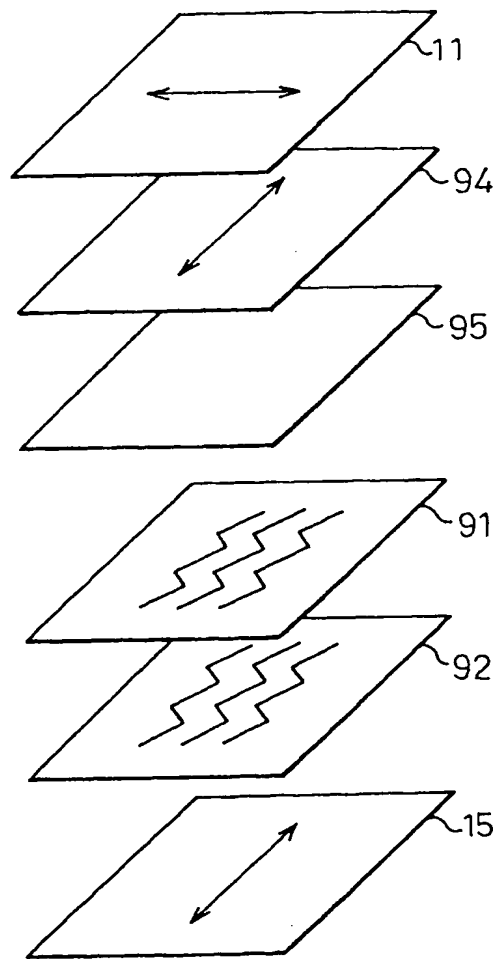


Fig. 241

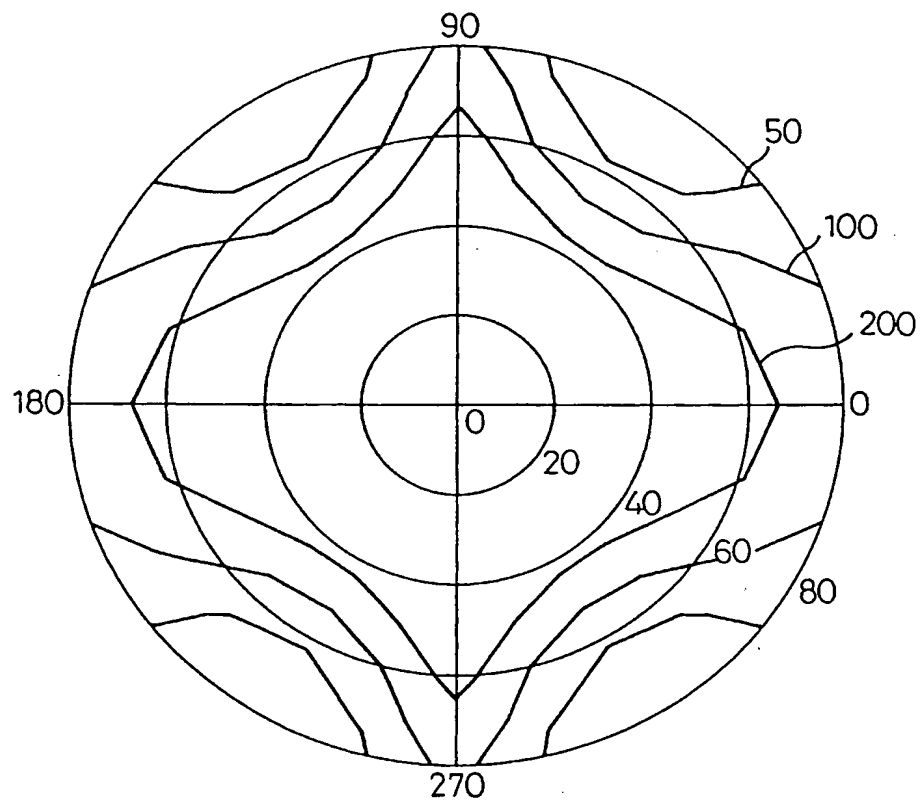


Fig. 242

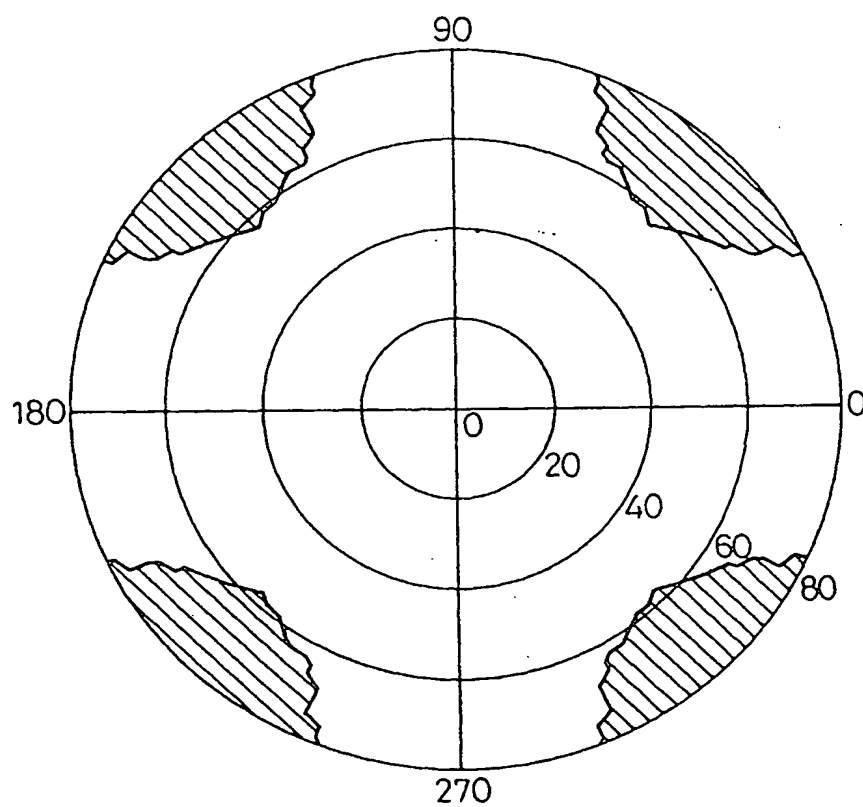


Fig. 243

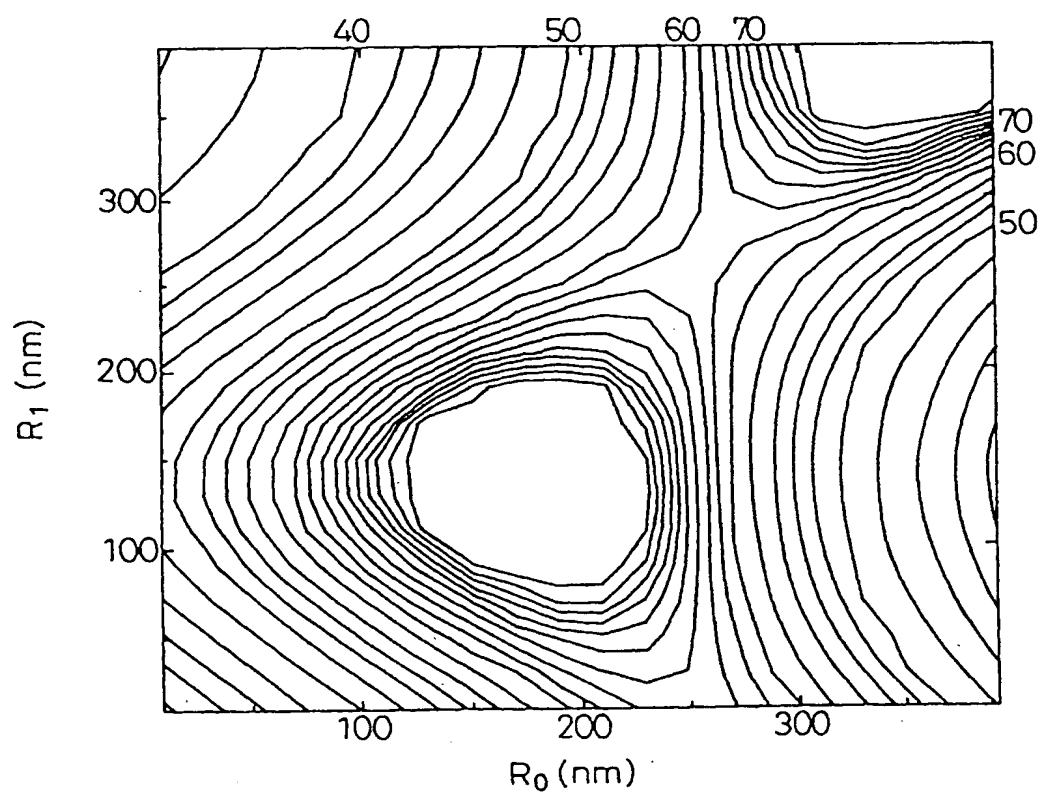


Fig. 244

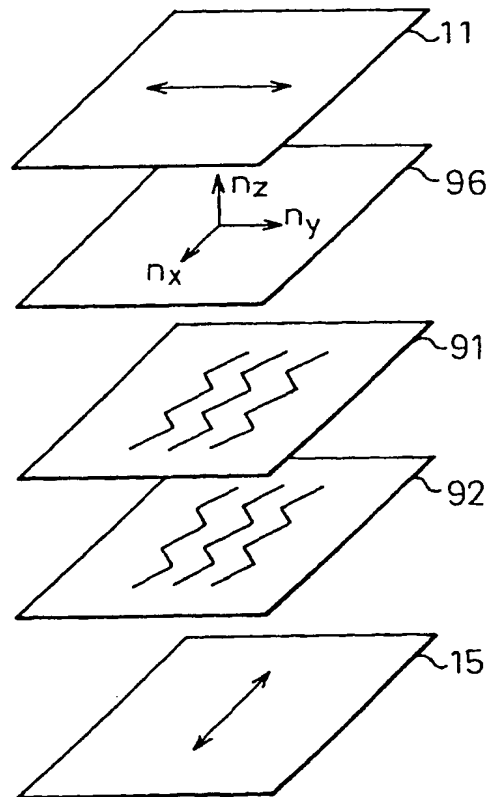


Fig. 245

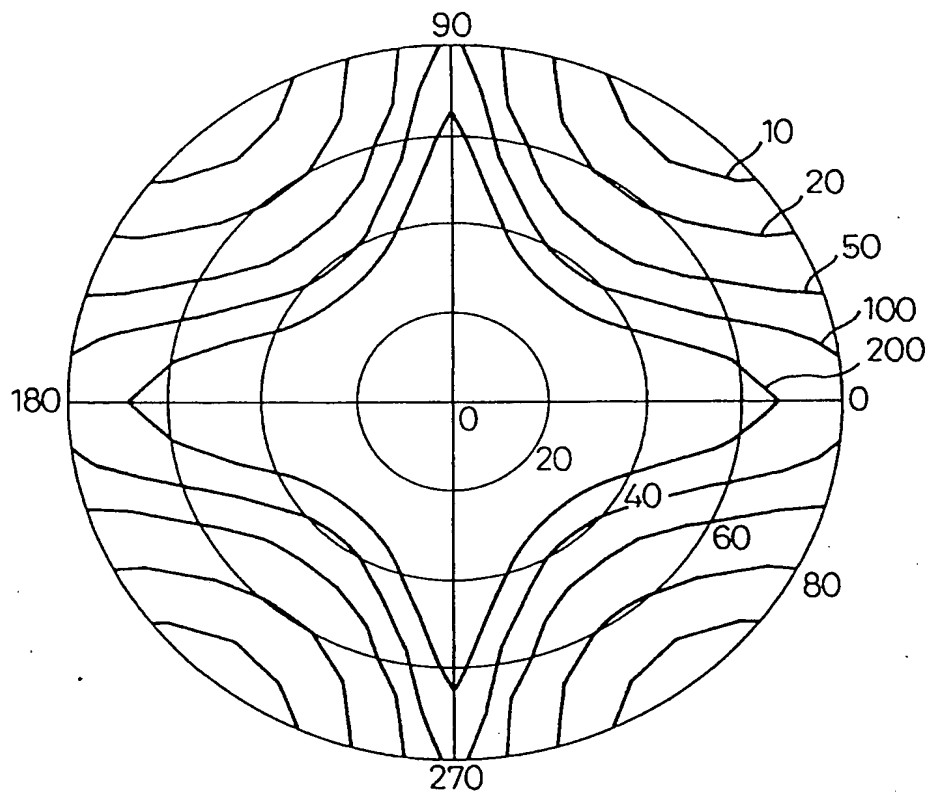


Fig. 246

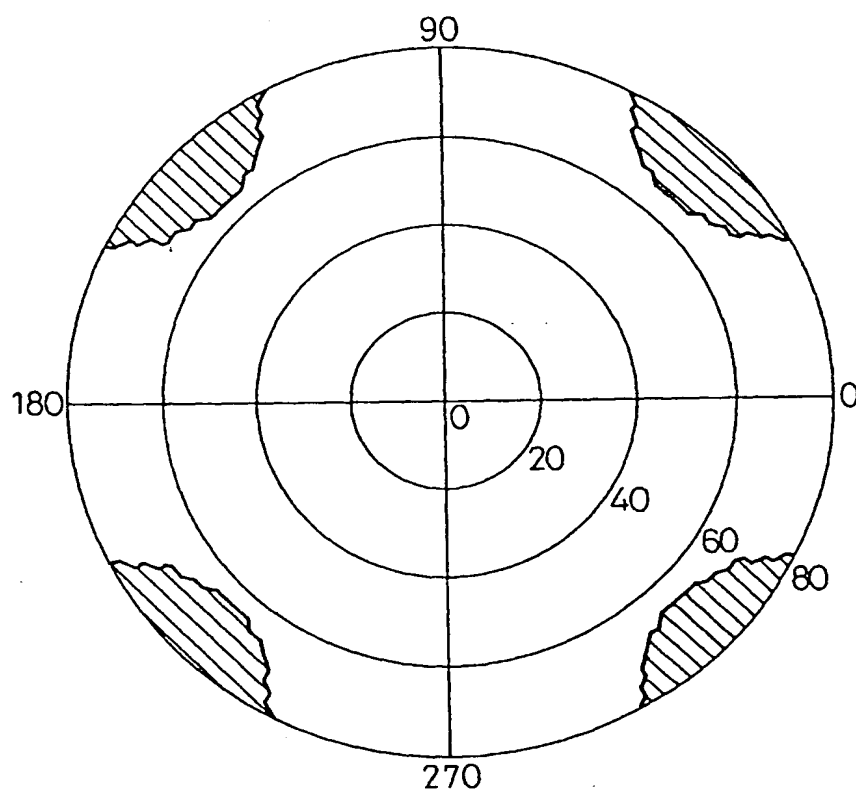


Fig. 247

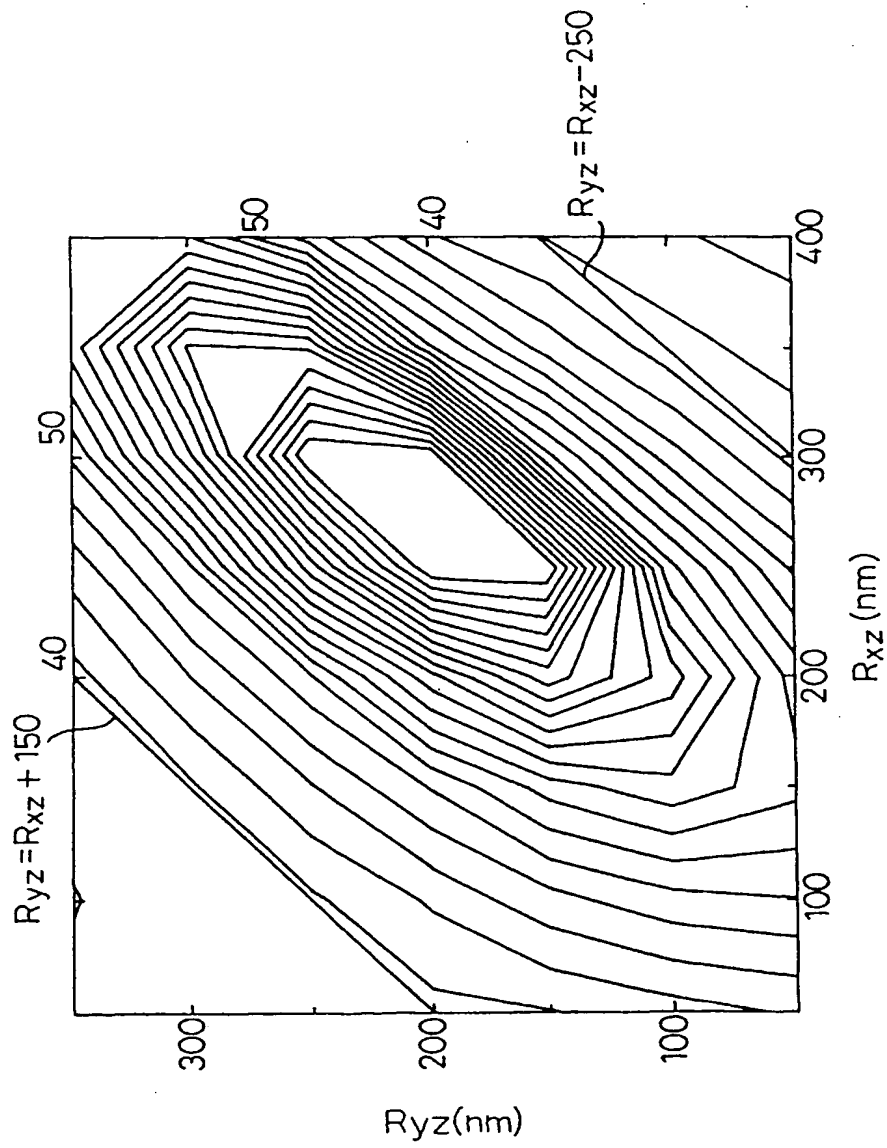


Fig. 248

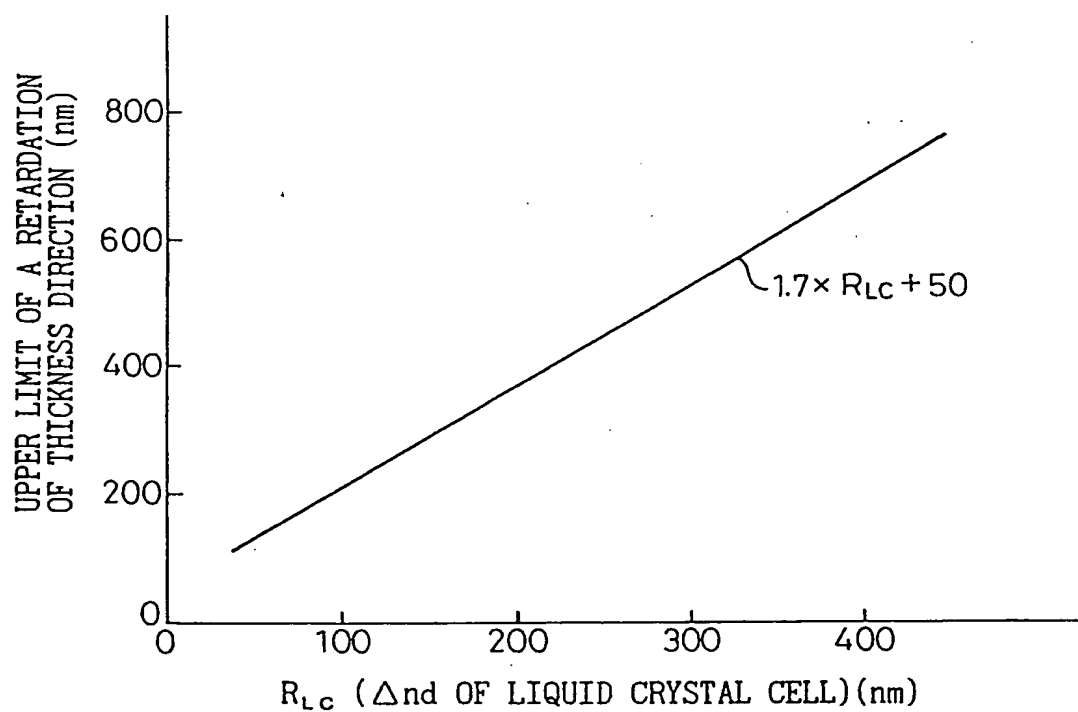


Fig. 249

SAMPLE	THICKNESS OF A PANEL (μm) R G B	GAP BETWEEN PROJECTIONS (μm) R G B	PHASE DIFFERENCE FILM R_d VALUE (nm)	TRANS- MITTANCE % (5v)	VIEW ANGLE : CR > 10 LEFT-RIGHT DIRECTION	COLOR DIFFERENCE (5v: LEFT -RIGHT) $\Delta u(x)$ $\Delta v(y)$
EMBODIMENT A	5.7, 4.6, 3.6	20, 25, 30	320	5.60	$\pm 80^\circ$	0.03 0.03
EMBODIMENT B	5.7, 4.6, 3.6	20, 25, 30	320	5.60	$\pm 80^\circ$	0.03 0.05
PRIOR ART 1	R, G, B = 3.6	R, G, B = 30	240	4.50	$\pm 80^\circ$	0.06 0.05
PRIOR ART 2	R, G, B = 4.6	R, G, B = 30	320	5.80	$\pm 80^\circ$	0.14 0.12

Fig. 250

EXAMPLES	INITIAL VALUES	AFTER 200 HOURS
EMBODIMENT C	25	42
EMBODIMENT D	33	51
EMBODIMENT E	26	45
EMBODIMENT F	30	48
REFERENCE	32	70

Fig.251A

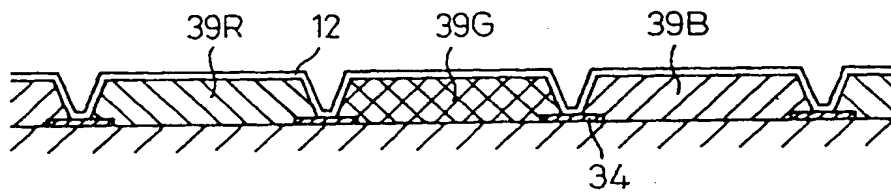


Fig.251B

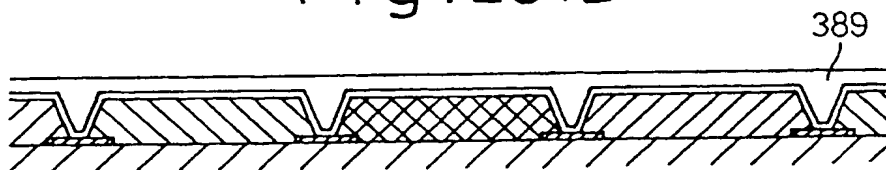


Fig.251C

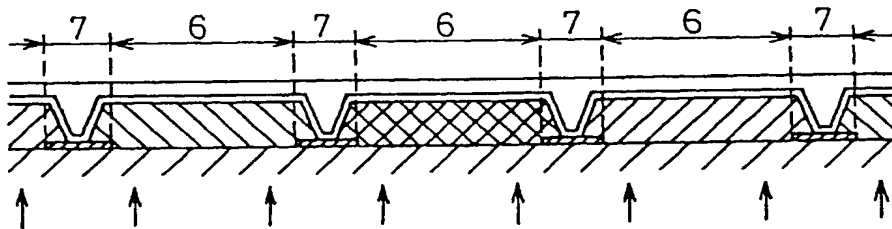


Fig.251D

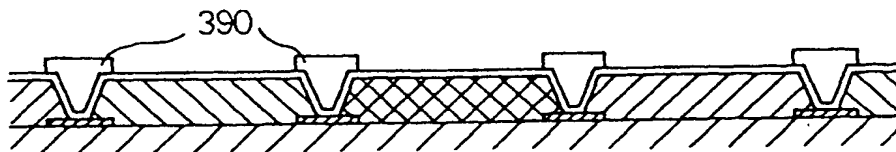


Fig.252A

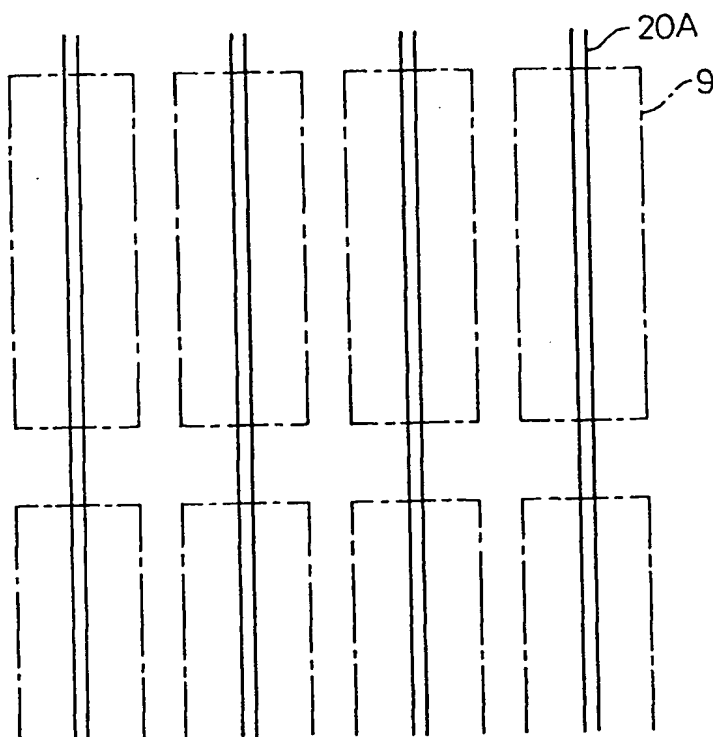


Fig.252B

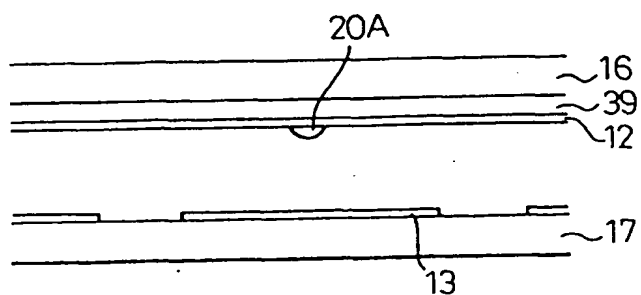


Fig. 253

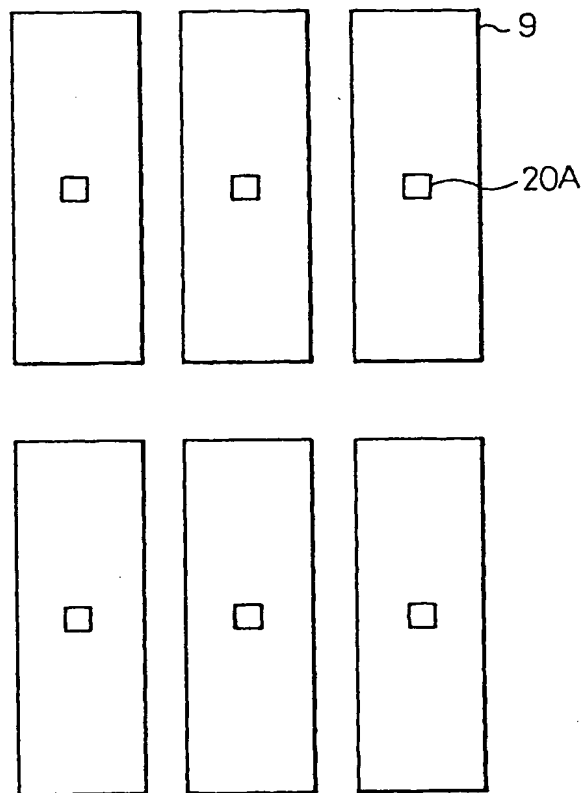


Fig. 254 A

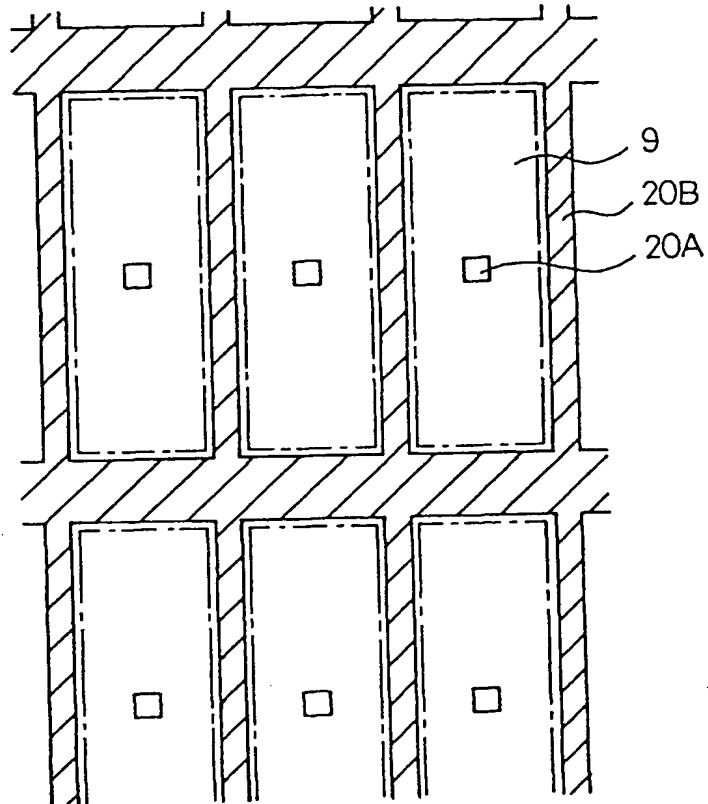


Fig. 254 B

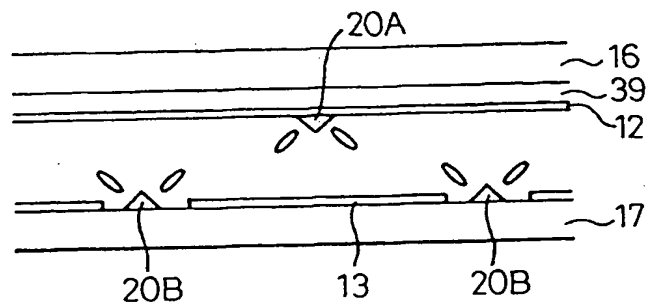


Fig. 255

